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WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

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The First week in May, Lewis Morris, Jr., of Polk county, Iowa, turned his Holsteins on pasture. He uses blue grass and brome-alfalfa. Twenty-five years ago, this paper printed a similar picture showing Lew's father, on the same farm, turning cows on a then controversial pasture crop—sweet clover.

Cows Still Need Grain

Are We Due For Dry Cycle? . Page 5

How Illinois Fights Borers . . Page 8

What Brannan Plan Means . Page 22

Where Will Hog Prices Go? . Page 26

"I'M always glad to see the cows go on pasture. Then I can stop feeding them," one farmer said.

Dairymen with more experience know that isn't a good idea. Your milk cows need concentrates on pasture.

It is true good pasture saves a lot of feed. But if you want the highest and cheapest milk production, keep graining the cows. Pastures right now are washy. And the grain you feed on pasture brings good returns.

If you have an oversupply of pasture in May and June, make grass silage. That'll even things up when pastures are short in July and August.

MAY 7, 1949

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The Firestone Champion Low Pressure Ground Grip is the top traction tire under all conditions because its high curved bars take a *clean, full-traction power bite clear across the tread from shoulder to shoulder and in the center.*

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The combination of Occo Mineral Compound with your farm-grown feeds is a combination that helps assure you of livestock rations that have *mineral balance*. And when rations have this important balance, "Mineral Starvation" is no longer a menace to your livestock's health, growth and the ability to produce.

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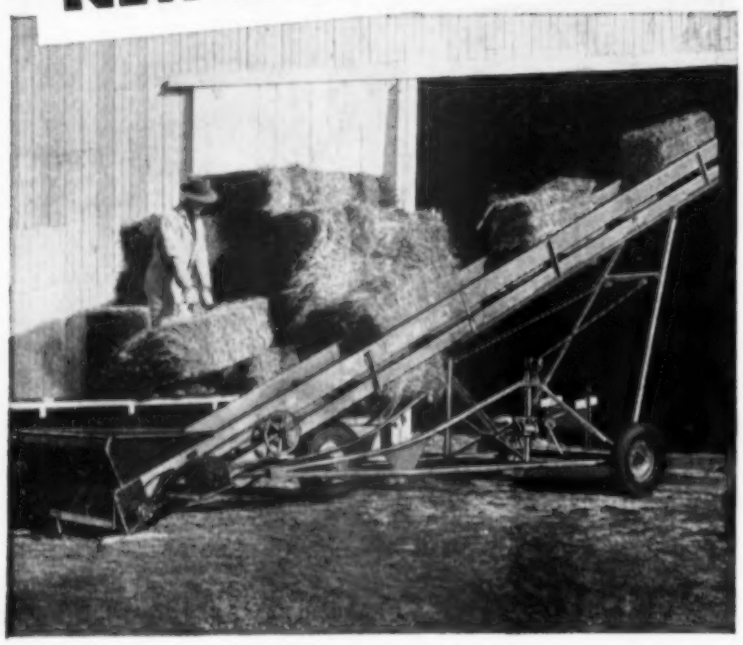

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"Movie Folks" at Waukee, Iowa. Directors, members, employes of Waukee farmers' co-op made a movie, "Beyond the Land," with Iowa farm background and farm people as actors. First showing was given at the Waukee high school gymanisum, April 22.

INSIDE STUFF

IS THERE anyone in your neighborhood who wanted to rent a farm this spring and couldn't find one? Seems to me I hear of a lot of renters who were left holding equipment and some stock after the March 1 moving day was over.

▲ ▲

MORE RENTERS than farms. More workers than jobs in some towns. Sounds like old times, doesn't it?

▲ ▲

BEFORE you get worried about a depression coming, you might note that we now have more employed people than ever before in history, and that most farm products are still above the parity level. The boom is fading, but we're still doing pretty well.

▲ ▲

LAUGH OF THE WEEK: Eastern writer for a new magazine, "The Reporter," visited Maynard Menefee, in Dallas county, Iowa, and made quite a discovery. I quote:

▲ ▲

"HIS SOWS are now bred with undershot jaws so that they can root for corn in frozen ground."

▲ ▲

UP IN WISCONSIN, some potato growers met and denounced the administration's new farm plan as "socialistic in intent." They also asked "continuation of the 1949 program based on government price supports of $1.35 a hundred for low-grade potatoes."

▲ ▲

IT'S SOCIALISTIC if you help somebody else. It is democratic and proper if you help me.

▲ ▲

ODDEST STUNT of the month in congress: Cutting appropriations for the Bureau of Agricultural Economics. BAE provides facts and studies on which farm programs are based.

▲ ▲

CUTTING DOWN on BAE is like getting ready to build a bridge and firing the engineers before the plans are drawn.

▲ ▲

"I'VE BEEN SAYING for three years that hog prices were going to drop," says a friend. Finally, I'm right. But I don't enjoy it a bit."

▲ ▲

HOW MANY FARMERS will reseal corn this fall? Ten cents a bushel isn't bad pay, but a farmer short of storage space will probably prefer to deliver his loan corn and seal the new crop.

▲ ▲

WHAT IOWA NEEDS is three extra weeks of spring, inserted between May 7 and May 8. That would let a farmer catch his breath.

▲ ▲

AS YOU PROBABLY guessed, that editorial on page 6 about the ladder was based on personal experience. A rung broke under me when I was climbing up to saw off a branch.

▲ ▲

NO HARM DONE. It was only the third rung from the bottom. But I did wonder what would happen to a 185-pound man, with slightly brittle bones, if he'd gone thru a top rung.

▲ ▲

REALLY, I DON'T wonder. I know. That's why I burned up the old ladder and bought a new one.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

(Volume 74—Number 9)

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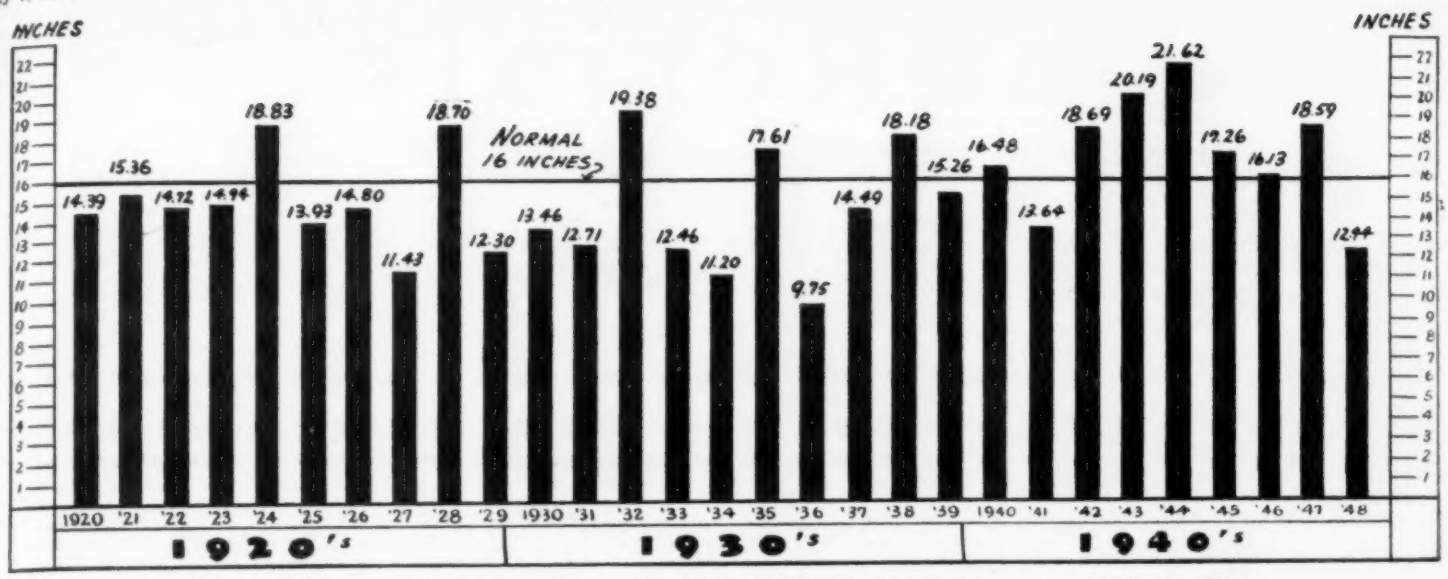


Wet and Dry summers since 1920 are shown above. Columns give total summer rainfall—for May, June, July, August—in each year. Heavy line indicates summer average for more than 70 years—just over 16 inches. Note that 12 of last 29 summers were wetter than normal, 17 were drier. Up to 1942, dry summers predominated; since that time, 6 out of 7 summers have been wet.

Are There Dry Years Coming?

By HOMER HUSH

"THE dry years will come back. These wet seasons have lasted a long time already." Have you heard anyone say that?

It is easy to believe in wet and dry weather cycles. Look at the thirties—the corn fired and the pastures burned up year after year.

Then came the forties. Drouths have been few. Big corn crops and green pastures right thru the summer months have been the rule.

Figures prove the change from dry to wet in these two decades. In the thirties, seven of 10 years had summers drier than average. Since 1940, seven of nine summers have had above-normal rainfall.

Does that prove that the next 10 years will be dry? Weather men say it does not. Many of them do not believe in the theory of weather cycles.

Just Flip A Coin

"Just as well flip a coin to get the answer" said one weather expert. "It's the battle of the winds and the elements. This could be the wettest or the driest year on record. Same goes for the next 10 years."

But some weather observers do believe in weather cycles. And they find some support for their views. So let's just look at the record.

For over 70 years, rainfall records have been kept in Iowa. For these 7 decades, the total rainfall for four summer months has averaged about 16 inches.

The rainfall average divides among the summer months this way: May, 4.08 inches; June, 4.77; July, 3.64; August, 3.58 inches. The average for the four together is 16.07 inches.

The average summer rainfall is about one-fifth of an inch higher than it was 10 years ago. The wet years since 1940 have put it up from 15.88 to 16.07.

The Nine Wet Years

Now look at the chart at the lower corner of this page. This is the average summer rainfall by 10-year periods from 1880 thru 1948.

The nine years since 1940 have been wet. The average rainfall for the four summer months has been 17.24 inches, or about 1.17 more than the average.

The thirties had an average of 14.45 inches, more than 1.5 inches below normal. The thirties averaged 2.79 inches less rainfall than the first nine years of the forties have had.

But, when you look back on the chart, there is little evidence of a regular dry and wet cycle. There were three dry decades immediately before the wet forties. The last wet decade was the first 10 years of this century.

It would seem reasonable that we could expect either dry or wet summers in the 10 years just ahead. We had three dry decades together. We could have another wet one.

But that wouldn't prove that there won't be both dry and wet summers just ahead. There are wet seasons in the dry decades and dry seasons in the wet decades.

Now look at the chart at the top of the page. This shows the rainfall compared with normal for summer months year by year since 1920.

Last Summer Was Dry

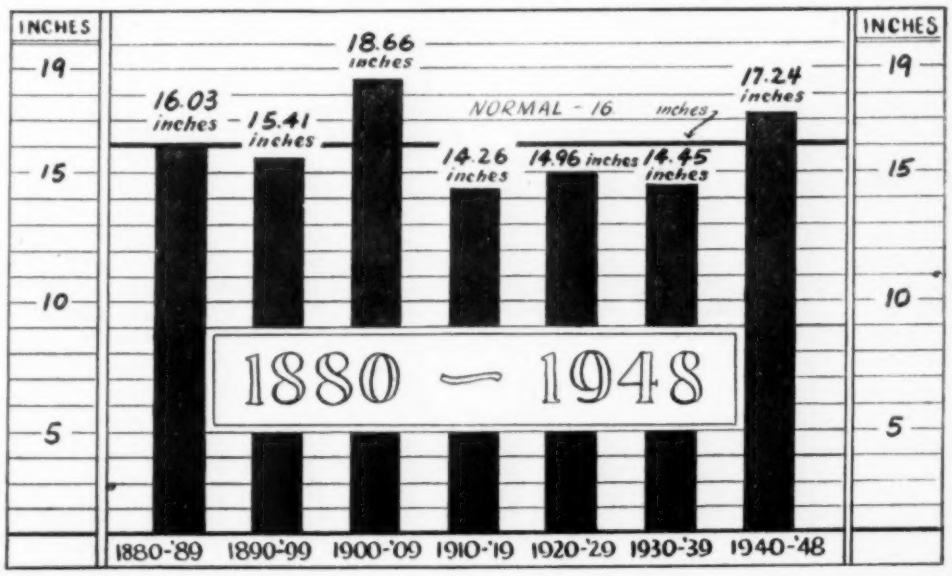
We have had two dry summers since 1940. One was the summer of 1941. The other was the summer of 1948. There have been seven wet summers since 1940.

There have been more wet summers since 1940 than in all of the 20 years from 1920 to 1939. Only five wet summers are shown for the two decades.

The difference in rainfall between the twenties and thirties was not great—just about a half-inch less in the thirties. The reason that the thirties seemed drier was mostly because of the extremes.

In the thirties, we had 1936 with only 9.75 inches of summer rainfall, 6.32 below normal. And 1934, with 11.20 inches, was almost five inches below normal. There was also more summer heat in the thirties than in the twenties.

Looking at the record, no one could say that the summer of 1949 is any more likely to be dry than wet. The last 10 summers have averaged wet. Last summer was dry. Anything can happen in 1949.



Summer Rainfall averages for the last seven 10-year periods are shown above. Wet decades were the 1940's and the 10 years after 1900. Three dry decades preceded the 1940's. There isn't much here to prove that wet and dry years run in regular cycles.

Editorials

These Runts Gained A Pound A Day

WHAT can you do for a runty pig—besides knocking him on the head? Give him B vitamins and proteins and watch him grow.

Michigan State College experimented lately with 80 runt pigs. They weighed from 17 to 40 pounds each. They were from 60 to 90 days old. In most cases, these runts were about half as big as a normal pig.

All had nutritional enteritis. The Michigan college thinks a lot of "necro" is of this kind, and comes from inadequate feeding.

Synthetic B vitamins were injected into the pigs. A balanced ration of 19 to 23 per cent, fortified with more B vitamins, was fed.

A few of these pigs died early in the test. But 86 per cent got well and gained an average of a pound a day.

If this works for runt pigs, what do you do for ordinary pigs?

Supply them with a ration which is high in protein and in B vitamins. Many mixed protein feeds carry B vitamins. Oats contain B vitamins—but you should watch out for the hulls. Pasture helps on this feeding plan, too.

Remember that a runt may be just a pig which is short of protein and B vitamins. And an ailing pig with "necro" may simply need more protein and more B vitamins.

If you want to push your pigs along for sale on an early market, see that they receive plenty of proteins, vitamins and minerals.

Corn Piling Up

There's more corn on Iowa farms now than ever before in history. The April 1 total was 387,898,000 bushels. That's even ahead of April 1, 1940, when the total was 374,170,000 bushels.

Above, elevator man Burdette J. Conklin, of Carroll county, Iowa, reports that Eden township, Carroll county, has 90,000 bushels of corn sealed and 18,000 bushels under purchase agreement.

There will be a lot of loan corn delivered to CCC next fall.

DDT Is Still Top-Notch Fly-Killer

YOU'VE heard a lot lately about the risks of using DDT. Government departments don't agree on all points. State people have their own ideas.

No wonder some farmers are mixed up.

Actually, this is an easy way to sum it up. Except on dairy cows or in dairy barns, use DDT as you did last year. Spray it everywhere a fly may light. It is still the Number One fly-killer.

Big change from last year is this: Don't spray it on milk cows. Keep it out of milk rooms. For dairy cows, use methoxychlor, or pyrethrum fortified with piperonyl butoxide, or other new fly-killers.

Those are the main points to keep in mind.

Broken Leg Or A New Ladder?

HOW can a fellow tell when a rung on his ladder is going to break? On the list of farm injuries are a number of broken legs, arms, shoulders, heads that came when a rung broke.

It makes a difference whether you're on the third rung from the bottom or the third from the top.

Maybe every farmer ought to figure out the life of each ladder, and throw it away a couple of years before the breaking point.

But how do you tell?

All we are sure of is that most farmers keep ladders around too long. A new ladder is cheaper than a hospital bill for a broken leg.

Dollars You Can Count On

Brannan Wants Farmer To Be Sure Of Good Income

DON'T be too quick to say: "It's no good," or "It's just right," about Secretary Brannan's new farm program.

The Brannan proposals aim at big changes in the way farm programs have been run since 1933. Some of the things the secretary of agriculture suggests sound fine. Some seem questionable. About some of the other points we don't know enough yet to say whether we want them or not.

Important thing for farmers is to keep an open mind as the discussion goes on.

SOME of the Brannan proposals seem to Wallaces' Farmer and Iowa Homestead to be headed in the right direction. We like:

1. Emphasis on income goal. The important thing for farmers is to take in enough cash so they can buy what they need. Income is more important than price per unit.

2. Change from the 1909-14 base to the last 10 years. What happened before World War I is out of date. Relationships in the last 10 years make more sense.

3. Production payments to support prices on hogs, butter, etc. As Wallaces' Farmer and Iowa Homestead has pointed out, present methods of supporting prices by buying and storing won't work when supplies get heavy. Production payments will work.

4. Benefits to consumers. When supplies increase, the market price will drop. Consumers will get cheaper eggs, meat, butter, etc. But farmers, thru production payments, will still get support prices.

THE Brannan plan doesn't seem to help much in shifting surplus farmers and surplus acres from cotton, wheat and tobacco. Right now, we're producing more, in these lines, than the market will take.

Our big job is to find other work for some of these farmers, other crops for these surplus acres.

The Brannan plan would apparently keep wheat, cotton and tobacco prices high enough so that no voluntary reduction in acreage would take place.

We must, in the long run, shift away from export crops to more hogs, butter, milk, vegetables, etc., to be eaten at home. The Brannan plan does not seem to help enough on this.

NOBODY knows yet just what the Brannan plan would mean in allotments, marketing quotas, regulations of different kinds. There seems a big risk that farmers might get into more "regimentation" than they'd like.

Neither does anybody know how much the program would cost. Very probably, it would cost no more than the present program if unemployment were kept to three million or less. If unemployment rose to five or seven million, the costs would go up sharply.

We need some estimates showing what the costs of the program would be at different levels of employment and industrial production.

Very likely, the level of income support may be lowered to cut costs.

SECRETARY Brannan has made a daring attempt to bring the farm program up to date and to make it more useful. Farmers and farm groups should work over his proposals so that the good points may be saved and the weak points repaired.

Turn to page 22 for a more detailed discussion of the Brannan plan. Even in the corn-planting rush, farmers could well afford to take an hour off to see what is proposed.

What comes out of these proposals may help determine whether you pay for your farm or lose it in the next 10 years.

Check Accuracy Of W-H Poll

HOW accurate are the surveys made by the Wallace-Homestead Poll? As almost all farmers know, our field workers go all over the state to interview, on the farm, hundreds of farm people.

These farm people are a good sample of all farmers of Iowa, just as the handfuls of corn a sealer takes out of a corn crib are a good sample of the corn in the crib.

How closely do the facts about the people interviewed match the facts about all the farm people in the state?

In February, the Wallace-Homestead Poll asked farmers how many sows were being held for spring farrow. The Poll found that about 717,000 sows were being held for farrowing in December, January, February and March.

Now, the Bureau of Agricultural Economics, checking spring farrowings, finds that 701,000 sows farrowed in those four months. That's pretty close.

In corn acreage, the Wallace-Homestead Poll found a decrease of 1.9 per cent in the acreage farmers planned to plant this year, as compared with last year. The BAE found a cut of 1 per cent. That is close, too.

We can check predictions on hog numbers and corn acres against actualities, but it's harder to check opinion polls.

All we can be sure of here is that a sample which gives accurate results on hogs and corn is likely to give somewhat less accurate—but still useful—results on opinion polls.

One of our most accurate polls is probably that dealing with the Iowa farm notification law. Farmers know all about the law. They have had experience with it. Their minds are made up.

The score of 87 per cent approving the present law is probably within four points of the result which would be secured if every farmer in the state were interviewed.

Farmers Vs. Legislators

THE Iowa law now says that notification of the termination of a farm lease must be given by November 1 if the lease is to end on March 1.

Do you think this law should be kept or repealed?

The Wallace-Homestead Poll, interviewing hundreds of farmers on this question, found the farm vote went like this:

For repeal	**3 pct.**
Against repeal	**87 pct.**
Undecided	**10 pct.**

The house of representatives of the Iowa assembly, voting on the same question, voted like this:

For repeal	**63**
Against repeal	**34**
Not voting	**10**

Are farmers right on this question? Or are the legislators right?

A legislator is entitled to vote his convictions, if he thinks his constituents are wrong and he is right. But he is obligated to explain why he thinks he knows more than they do.

Wallaces' Farmer and Iowa Homestead suggests that every legislator who voted to kill the notification law should be asked "How come?" when he gets home.

The roll call on the bill (and a report of the debate) appears on page 18 of this issue.

Fortunately for farmers, the bill died in the senate. The November 1 notification date is still law. But no thanks are due the 63 representatives who voted for repeal.

Odds *and* Ends

WHEN the corn you are planting now is ready to harvest, where will you put it? Or are there plenty of cribs and bins on your farm?

THIS fall, the United States will probably have over 700 million bushels of corn on hand. That's more than we accumulated at the peak before the war.

FARM cash income in 1949, according to the Bureau of Agricultural Economics, will be down 10 per cent under 1948. Farm expenses will be down only 5 per cent.

THAT would still leave farmers with a net income larger than in any year before 1946. Incidentally, Iowa farm prices were 104 per cent of parity in mid-March.

LOTS of broilers will cause trouble for beef and hog markets this summer. Cheaper feed has sent a lot of new folks into the broiler business.

"MARKETING quotas hurt," says a farmer who lives in Appanoose county, Iowa, "but surpluses hurt more."

VITAMIN B-12 helps pigs and chickens grow. Derived from fish oil and other sources, it is also found in milk.

VITAMIN B-12 in milk helps people and animals make better use of the protein in the ration. Protein does you twice as much good if you take B-12 with it. Are your children drinking enough milk?

LAST year was the high year to pay debts. Then 21 hogs averaging 200 pounds would pay off a $1,000 note. Back in 1932, it took 150. And in 1929, 53.

BUT 1949 is still a good debt-paying year. Thirty hogs will pay off a $1,000 note now.

IF YOUR debts are paid, buy U. S. Savings Bonds. You profit twice when you buy bonds on a declining price level.

NOW, 89 per cent of Iowa's farms are on electric high-lines. So the Iowa State Commerce Commission reports. Over 21,000 new farms were hooked on in 1948.

OF IOWA farms equipped with electricity, REA is serving 111,000 and private utilities 70,000. Iowa has an average of 2.86 customers per mile.

Song of the Lazy Farmer

TODAY, I went to neighbor's place to watch him work at rapid pace; instead I found him lookin' wise and wantin' to philosophize. "You know," he says, "you may be right that no man should work day and night and keep on goin' at a run instead of takin' time for fun." "Hold on," I says, "what's this I hear? Your conversation makes me fear the sun has touched you in the head and you don't know just what you've said." "Nope," he says, "I've thought it thru, and your ideas may all be true; I think I'll ease up for a while, then maybe I can learn to smile."

Poor neighbor's due for quite a blow because the thing that he don't know is that most men are born to work, it don't come natural to shirk; so lots of practice is required before a man can act retired. It takes an early start in life—by all means 'fore you've got a wife—to learn the art of laziness or else you won't have much success. Why, I spent years in learnin' how to operate like I do now, and sometimes yet I have to say, "Whoa, do that job some other day." Tho neighbor's got my sympathy, I'm 'fraid he can't catch up with me.

How Illinois Fights Corn Borers

Experience Gives Pointers On Ways To Avoid Damage

By WALLY INMAN

A LETTER TO THE EDITOR

DEAR SIR: **February 1, 1949.**

We've been hearing a lot about the corn borer and its control. I'm thinking particularly of spraying of corn and the cost that goes with such a method.

Why is it we don't seem to hear such a lot of holler from Ohio, Indiana and other states which have had the corn borer for 20 years, on the use of chemicals? Haven't those folks got a story for us in the form of experience?

I've been asking the question of agricultural writers, extension men and corn-breeding men who travel the whole corn belt from east to west, and, by and large, they say the folks in Ohio and Indiana are not so concerned about it as we seem to be in Iowa.

Are chemicals the only way to control corn borers, or can it be done in a simpler manner?

Sincerely yours,
LEWIS E. MORRIS, JR.,
Polk County, Iowa.

DEAR LEW:

You asked me, the same as you asked other people, and you'll remember I told you I wasn't sure of the answers. Other farmers asked the same questions you asked.

I'm still not sure I know the answers. But I've driven close to 2,000 miles, talked with a lot of farmers, entomologists, seed corn producers and county agents. This story could be date-lined from any one of a dozen Illinois and Indiana towns.

I'll answer your last question first. If there is any simple method that will completely control corn borers, I'd say no one has yet found it. Chemicals come closest to complete, easy control.

But there are several other things that help. If they could be universally practiced, on a county-wide basis, there might be no need for chemicals. Apparently, the weather at certain times comes to the rescue and holds down borer damage.

Mainly, the other methods are stalk-chopping, or early disking, plus early clean plowing. Stalk-chopping sometimes gets half of the borers present. Disking also kills some. Clean plowing is supposed to get 80 per cent of the borers that are left.

Then comes a mid-season planting date. That's supposed to help you miss the heaviest first-brood infestation. But later I'll tell you why farmers don't put much stock in that.

Finally is the use of adapted, stiff-stalked, strong-shanked hybrids that can withstand borer attacks.

But, even after you've done all that—you may still lose 10 bushels or more corn per acre to borers. That's why spraying shows a profit.

So far, this has been all my opinion. You wanted the opinions of Illinois and Indiana farmers. Well, here is an honest cross-section. No remarks deleted except the cuss-words.

Stalk chopping not only makes clean plowing easier, but tests show it may kill up to half of the corn borers present in the stalks.

Irvin Phillips owns 366 acres, raises better than 100 acres of corn a year in Bureau county, Illinois.

"No one knows how bad borers would have been if we hadn't done all the other things. But the other methods certainly didn't lick the borer," Phillips says.

"A fellow should have his own sprayer, and then spray whether the egg count is as high as the university says it ought to be or not. Extra yield will more than offset the cost.

"Lots of farmers have sprayers, but haven't used them for the corn borers because of the weather. Sometimes it looks like we'd have an awful infestation. Then a heavy rain with a high wind comes on the right day and washes enough baby borers off the stalks. We get by without much damage."

I ran into that idea constantly. Borers apparently build up to a peak in three or four years, then level off. After that, the weather and Mother Nature help to hold them down somewhat.

E. C. Benefield, Marshall county, Illinois, farms an 80. He doesn't own a sprayer, hasn't sprayed for borers.

"All the old ideas help, but none of them work. Everyone won't plow clean, or get rid of stalks in oats. Sometimes you plant in mid-season and miss the first brood; then you catch the second brood," Benefield says.

"There's no question but what borers do a terrific amount of damage—maybe 10 bushels per acre on the average. You can't see all damage, unfilled tips and so on. But around here my yield was typical—about 3,800 bushels on 32 acres. So farmers aren't too worried," he explained.

On down the road a county or so later, John G. Harms and his son Eldon were building fence. Harms has lived on his Woodford county farm for 50 years.

"Back in 1941, when I first saw borers, I wondered if the farm would be worth much by now," Harms said.

"But with 100-bushel corn we haven't worried. The weather has been against the borers lately. But Iowa farmers will find when the weather favors borers they will have a serious lot of damage, as long as they don't spray, no matter how clean they plow."

He put in a good word for stalk-choppers. "I think they are quite a machine for working up stalks before you plow, whether they kill borers or not," Harms added.

Livingston county, Illinois, is a cash grain area similar to north-central Iowa, without the ponds. County Farm Advisor (county agent) W. F. Coolidge recommends all the usual control measures.

Then he says: "Watch the borers. If they look too bad, you'd better spray."

Ervin Wahls lives in town, but goes out to the farm to help his sons. On their level Livingston county place, they grow about 385 acres of corn, 333 acres of oats and 25 acres of beans.

"Last year, borers weren't bad," he says. "But in a bad year, when you are going to lose at least 10 bushels per acre, you had better go ahead and spray."

In McLean county, Illinois, Ralph Weber and son Kenneth don't have a sprayer. But they watched them work last year.

"Spraying probably is the answer to the corn borer problem, but we have a long way to go before everybody knows all they ought to know about spraying," they agree.

"Last year, some farmers wasted money by not knowing how to spray right. When we learn about it, spraying may be the stuff," they said. Doing a good job of working stalks up ahead of the plow is the most important part of clean plowing, Ralph Weber said.

E. G. Mosbacher, county agent for McLean county, says he makes the usual recommendations. Then advises spraying or dusting if the egg mass count looks serious after everything else has been done.

As a matter of fact, George C. Decker,

Thoro disking not only makes clean plowing easier, it kills many of the borers which have wintered in the corn stalks. Here, Vernon Wahls, Livingston county, Illinois, pulls 29 feet of tandem disk.

Some tests show clean plowing kills 80 per cent of the borers. But Ralph Weber, left, and son Kenneth, McLean county, Illinois, say there will be plenty of borers left, no matter how well you plow.

insect specialist at Illinois, advises all farmers thruout the northern half of Illinois be prepared to treat all of the early-planted or very fast-growing corn this summer.

The Indiana entomologist I talked with —J. J. Davis, head of the Purdue entomology department — makes much the same recommendation for his state.

He first advises clean plowing, adapted hybrids and delayed planting. Then he says sweet corn growers and hybrid seed producers should plan on treating. Their crops are more valuable than regular field corn.

Farmers growing field corn should watch the infestation. If it is serious after everything else has been done, spray or dust with chemicals.

Davis has hope of borer parasites reducing corn borer damage. In cooperation with the U. S. Department of Agriculture, Indiana, like the other corn belt states, has released imported corn borer parasites.

One of these imported flies, "lydella grisescens," has been infecting or killing from 30 to 35 per cent of the corn borers in some Indiana areas. It has also spread from the original release area to surrounding territory. This fly has also been released in a number of counties in Iowa.

"I don't think it too optimistic to hope for as high as a 60 per cent borer mortality from this borer parasite within a few years," Davis says.

Dr. H. M. Harris, head of the entomology department at Iowa State College, last fall reported that five species of wasps and flies have been put on the trail of the corn borer in Iowa.

Some of these natural enemies of the corn borer adapt themselves to conditions; others do not. Harris says that in some Iowa areas, a similar corn borer mortality of from 30 to 35 per cent has been caused by these natural enemies.

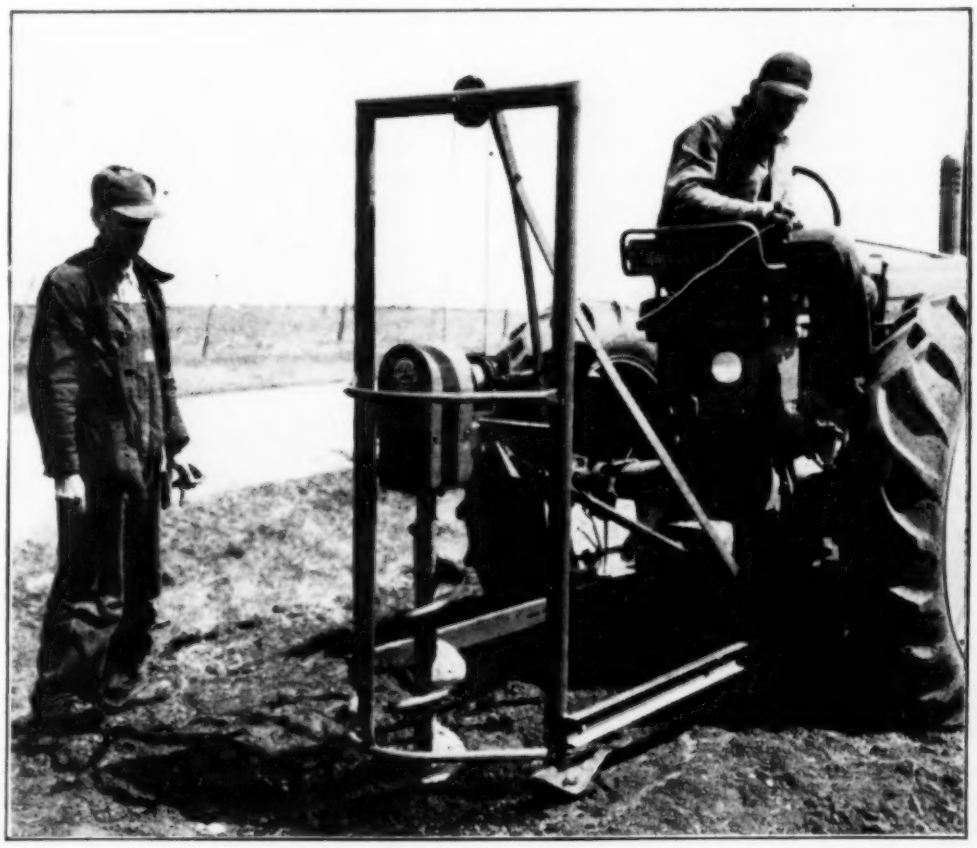
But he points out that it will take time to fully develop this borer parasite program.

I could give you a lot more of the same. But the opinions all took about the same pattern. Not too much different from Iowa, in fact.

Here, I'll go back to my own opinion. Considering what we know today, this is almost the standard for Iowa, Illinois and Indiana:

- Do a good tillage job. Work up the stalks, even on oats. Plow deep, clean and early. Get rid of weeds. Borers can winter in fence-row weeds. You may still have lots of borers in corn cobs, your neighbor's stalks, and so on—
- So choose an adapted hybrid—stiff-stalked so borers won't break it over, stiff-shanked, so borer-infested shanks won't drop ears. Now—
- About planting date. It is true that a mid-season planting date will often help on the first brood. And the second brood may not be so serious in yield loss. But I was brought up to plant corn when you were ready. It might rain and set you back two weeks. That, plus an early frost, would make borer damage seem minor, because—
- You always have spraying, or dusting, with chemicals to fall back on. Use it if you have many egg masses. On dairy-cow silage, sweet corn, or silage to be fed to fat steers, use ryania or rotenone. On corn to be fed or sold as grain, stick with DDT.

Mid-Season planting doesn't work too well, says E. C. Benefield, Marshall county, Illinois. He says if you plant to miss the first brood, then the second brood gets you.



For Fifty Years John G. Harms, left, has lived on the same farm in Woodford county, Illinois. Corn borers, like other pests, bother most on weedy, run-down farms, he says. Here, he and son Eldon are digging post-holes with their new tractor digger.

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Let Price drop and have government pay difference to the farmer, says Edgar Barth, Winneshiek county, Iowa.

Government should buy pork on market and keep the price up, asserts Donald Blankenburg, of Lee county, Iowa.

Let The Price Of Hogs Go Down--

And Pay The Farmer The Difference Between Market And Support Price

WHAT do Iowa farmers think of Secretary Brannan's plan to use "production payments" to support hog prices next winter?

Before Brannan said he feared prices would drop below supports without "production payments," a cross-section of Iowa farmers split almost evenly on the question.

What Iowa farmers think now—after Brannan's recommendation—will have to be shown by a later survey.

The Wallace-Homestead Poll has asked this same question for several years. When farmers are hopeful about hog prices rising, they think government buying of pork will be enough to support prices. When they fear a price drop, they are more apt to give a vote to "production payments."

The Poll asked first what farmers thought the government should do, if anything, about hog prices. Two statements were presented, and farmers asked which came nearer to their views:

1. **Government should stay out of market and let supply and demand set the price....16%**
2. **Government should take action to help hog prices in case of a severe slump....69%**
3. **Undecided 15%**

Those who thought the government should take some action were then asked what form this action should take. Should the government go on the market and buy pork to help the price? Or should the market price be allowed to drop and the farmer given a check for the difference between the market price and the support price?

For market support, there was a vote of 39 per cent; for payments to farmers, the vote was 34 per cent.

Here are some farm comments on the question:

"Since the government is asking for more pigs, it should do something to support the price. A farmer can't raise pigs for his health."—Audubon County.

"Let the government lay off, and let the farmer's business have a chance to work itself out."—Appanoose County.

"Ought to be some way to shut off or control the supply, in order to keep the price up to supports."—Tama County.

"Some people are going to be out of jobs, or with pay cut, and they should be able to buy this meat."—Union County.

"I wouldn't like to see the government stand by and let prices go to hell."—Clay County.

"Support prices are all right for us to have in a depression, but, unless things get a lot worse than they are now, let's keep the government out of the hog business."—Mahaska County.

How To Support Hog Price

THE WALLACE-HOMESTEAD POLL ASKED:

"Suppose the government support price on hogs is $16 next winter and the market price threatens to drop to $12, which of the following should the government do?"

1. **Buy pork on the market for storage, free distribution or export, in an attempt to keep the price up to $16.... 39%**
2. **Let the price drop to $12, but pay each producer the $4 difference between the market price and the price on the volume of hogs he sells.... 34%**
3. **Undecided 27%**

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The more nutritionists learn about animal feeding, the more important do trace minerals become. They have discovered that trace minerals influence the whole enzyme, hormone, and vitamin activities of the body — the basic life functions.

But because of heavy cropping of land, erosion, and the greater results we expect of livestock, few animals get enough. This is true even in the most fertile parts of the country.

The safe way, the easy, effective economical way, to feed essential cobalt, iron, copper, manganese, and iodine is in Morton's Trace Mineralized Salt. It is like a low-cost insurance policy covering all your livestock — assurance of healthier, thriftier animals and greater profits.

In 1906 the average dairy herd improvement cow gave 215 pounds of butterfat a year. Today she produces 344 pounds. Because of this increased activity in the body, there is greater need of trace minerals.

Erosion has dumped millions of tons of fertile topsoil into our rivers, lakes, and oceans . . . robbed us of precious minerals. According to recent survey in Wisconsin, four out of five farms are mineral deficient.

Heavy cropping of land has consistently taken more minerals out of our soils. There is not enough to supply plant life adequately. Trace minerals must be fed directly to be sure livestock get enough.

The best way to feed trace minerals is Morton's Trace Mineralized Salt, fed *free choice*. Then each animal can take what it wants and needs. The cost is only a few cents additional per animal per year.

Morton's *Free Choice* Salt is the logical Carrier for Trace Minerals Cobalt . . . Iron . . . Copper . . . Manganese . . . Iodine

There is an interdependence between salt and trace minerals. They work better as a group than as individual elements, for greater health and thrift and to prevent trace mineral deficiencies. Moreover, fed Free Choice, there is a regular, constant intake — never too much or too little.

MORTON'S

***Free Choice* TRACE MINERALIZED SALT**

More Corn and fewer beans? Or vice versa? You still have time to change your plans. Corn may return the most money, but beans are useful in borer control, fit well into some rotations.

Corn Beats Beans In Acre Return

But Beans Go In One-Fourth The Storage Space, And Corn Borers Don't Like Them

YOU still have a chance to shift some of your acres from corn to beans or from beans to corn. The question is, which way should shifts be made—if at all?

Two things to consider are: (1) Cash income for 1949, and (2) effect on the land, the crop rotations and long-time returns.

For 1949, corn seems to be the money crop. A comparison of estimated corn and bean yields and per-acre cash income shows that.

You should compare bean returns with corn returns on your poorest corn land. Corn goes on sod; beans take the place of second-year corn.

Corn yields per acre on second-year land are much lower than the average for all of your corn acres. Both farmers and experiment stations have found a difference as high as 12 to 20 bushels.

So, if all of your corn averages 60 bushels, the sod corn might make 68, and the second-year corn 52, in an average season. That difference is common.

The soybean yield for Iowa averaged 23 bushels last year. The 10-year average is about 20 bushels per acre.

Then those acres that you could plant to either corn or beans might grow 20 bushels of beans or 52 bushels of corn. Now what will the cash return per acre be for each crop?

The best indication we have for prices is the government support price. PMA has announced that both beans and corn will be supported next fall at 90 per cent of parity.

The parity price will be fixed along in the summer or fall. But, allowing for some decline in the price level this summer, we come up with these figures:

The corn loan next fall probably will be about $1.30. The bean loan likely will be around $2.10.

An acre of 52-bushel corn at $1.30 per bushel will bring $67.50. An acre of 20-bushel beans at $2.10 is worth $42. So an acre planted to corn would bring a $25.50 greater return than would an acre in beans.

This $25.50 per acre extra for corn is about the actual difference in profit. Costs are about the same. It takes more money to seed the beans. But the corn may require more cultivation.

Before you change your usual acreages of corn and beans, there are several things to consider. Some of them may be important on your farm.

Beans from an acre require about one-fourth as much storage space as for ear corn from an acre.

Beans are not damaged by corn borers. And a rotation including beans works in well with corn borer control.

If you plant beans this year on land that will be seeded next year, you can disk in the oats without leaving a hatching ground for the corn borer moths.

Sometimes beans work into the rotation with good results in other ways. Here are some places where they might fit in:

If your rotation calls for three years of row crops in succession, then beans might substitute for corn the second year. Corn crops often suffer badly from root-worms when the same field is planted to corn a third year.

With beans between two corn crops, then corn never follows corn. The total cash return for three years of corn, corn, corn might be no more than from three years with corn, beans, corn. It would depend on the land.

Working beans in with the corn rotation also permits fall plowing of more land for row crops. This is important as a labor-saver in the spring, and is very important on some wet, sticky soils where spring plowing for corn gives poor results.

J. B. GARRETT, of Houston, Texas, is a paleontologist, a member of the Standard Oil group which works to discover more oil. Last year we found enough new oil to increase our total reserves despite record-breaking production.

J. S. ASHWORTH is a tool pusher on one of our drilling crews. These crews last year increased Standard Oil's facilities by bringing in 597 new oil wells. The cost of finding crude oil has gone up about 300 per cent in the last ten years.

SVERRE N. AMUNDSEN is wheelman on a Standard Oil tanker, one of a large fleet of tankers, towboats and barges used to transport our petroleum products on the Great Lakes and the Mississippi, Ohio and Illinois rivers.

ADOLPH WOLFF, engineer at our Joliet, Illinois, pipeline pumping station. Hundreds of Standard Oil employees help keep crude oil and petroleum products flowing along our pipelines, to which 1,280 miles of new lines were added last year.

BOB BUEHLER works at Standard Oil's Sugar Creek, Missouri refinery, where last year a new catalytic cracker was built. It can produce enough high-octane gasoline in a single day to supply an average motorist for 1000 years.

LLEWELLYN HEARD, Ph.D., a project chemist in our research laboratory at Whiting, Indiana. By discovering ways to get more and better products from crude oil, our research program has added extra millions of barrels of gasoline to your supply.

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WILFRED P. CAVANAUGH of Standard Oil's purchasing department is one of the men in charge of buying the tools and equipment we need to keep you supplied. In the past three years we have paid out more than $630,000,000 for such equipment.

KARL F. JOHNSON, of Indianapolis, Indiana, is one of the 97,000 owners of Standard Oil. The investment of these owners provides the tools and equipment with which jobs have been created and production increased.

RAYMOND OLCHEFSKE runs a service station on Como Boulevard in St. Paul, Minnesota. He is not a Standard employee, but one of the thousands of independent businessmen who sell our products. Our job is to keep him—and you—supplied.

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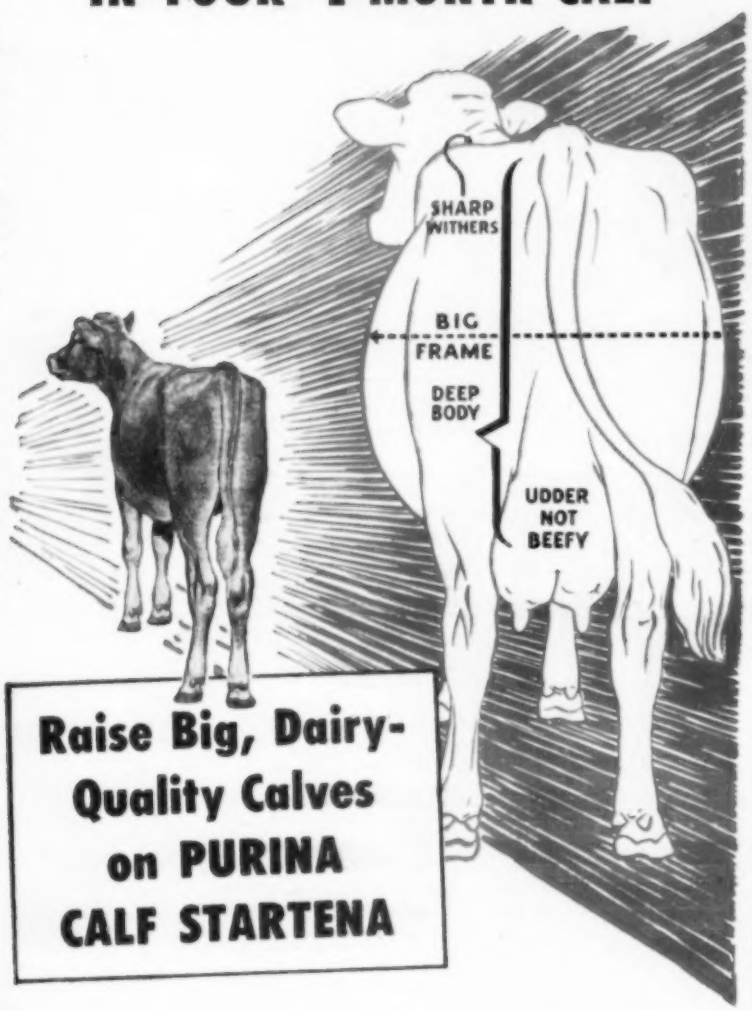
IN YOUR 4-MONTH CALF



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Self-Feeder for ear corn is built on movable platform, and can be pulled to a new spot when the ground gets muddy. It holds 60 bushels of corn and has wire-controlled, adjustable slides, one of which George Leffler, of Van Buren county, Iowa, is regulating.

Tips For May

Save this month by following these suggestions of Iowa State College farm management specialists:

▲ ▲ ▲

AVOID RUNTS among your hogs. Orin Drier, of Hardin county, Iowa, picks out the smaller pigs at weaning time. These go in a group by themselves. It's remarkable how they catch up with the heavier hogs when they don't have to fight for feed.

▲ ▲ ▲

GO EASY in starting cows on pasture. Several top-notch northeast Iowa dairymen believe it pays to change to pasture gradually. High protein feeds can be reduced when pastures are abundant. But feed grain to cows producing over one pound of fat daily.

▲ ▲ ▲

SHEAR SHEEP in May. A successful Van Buren county, Iowa, sheep man says this is the month to get the shearing done. Push early lambs for the June market. Dock and castrate late lambs when they are 10 to 12 days old.

▲ ▲ ▲

STONE, cement or gravel footpath from house to barn, can save energy. It helps your wife keep the house cleaner. And it improves the looks around the farmstead.

▲ ▲ ▲

KEEP YOUNG chickens separate from laying hens. Hens are better fed, lay better and do not carry disease to young stock if they are kept in the hen house or the sun porch.

▲ ▲ ▲

BREED for fall pigs by May 20. Bernard Shager, Hamilton county, Iowa, believes that early fall pigs pay the best.

▲ ▲ ▲

FEED PIGS enough proteins. Wiltse McWilliams, of Greene county, Iowa, says it pays to feed plenty of protein until pigs weigh at least 75 pounds. Build hog shades on days too wet to work in fields. Hogs need shade in pasture. Avoid low spots where water will stand.

PORTABLE, strong self-feeders are a big help in raising hogs on pasture, Marion Steddom, Polk county, Iowa, has found. Make them big enough to hold several days' feed supply. And put them close to the fence so they can be filled without opening gates.

▲ ▲ ▲

FEED BUNKS can be made into "mobile units" with some old mowing machine or wagon wheels. When it gets muddy around the bunk, it's a simple job to shift to a dry spot—or to another lot.

▲ ▲ ▲

REPAIR harvest machinery. Buy extra parts and supplies now. On wet days, check over your haymow and get ready for hay storage.

▲ ▲ ▲

SPRAY FRUIT trees. Victor Felter, Warren county, Iowa, says you've got to follow a spray schedule if you want to get a good quality of fruit.

▲ ▲ ▲

FARMING has its dangers, too. Children's pleas to ride with father on farm machinery should go unheeded. Always stop a machine and throw it out of gear before lubricating, adjusting or doing any work on it.

▲ ▲ ▲

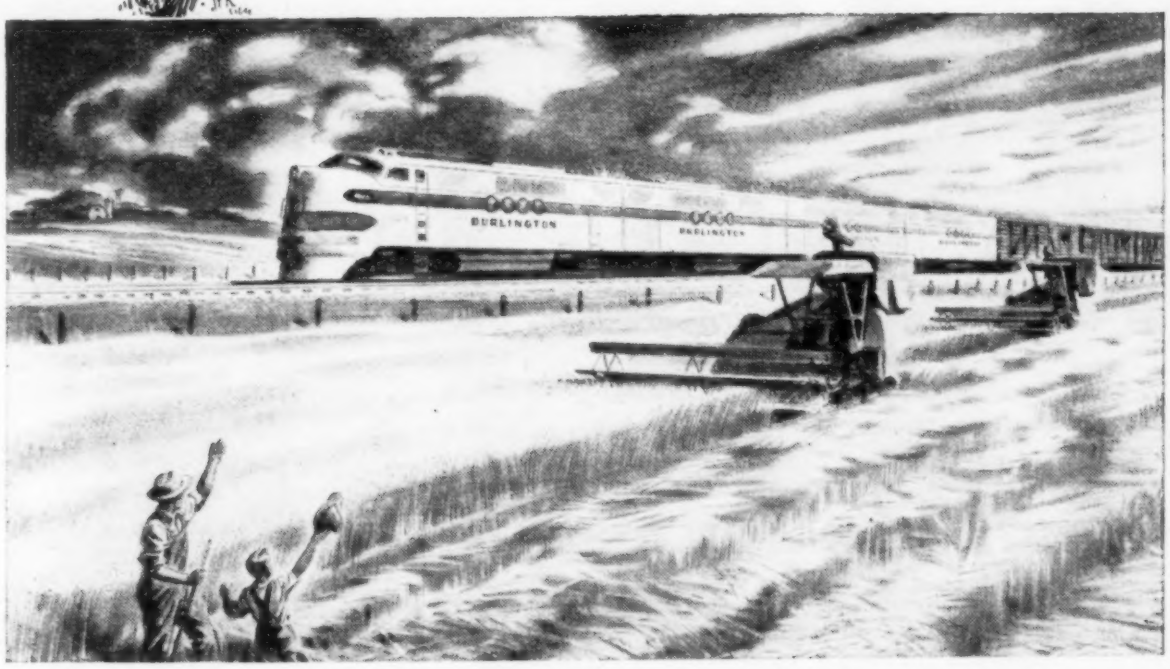
STOPPING to get a machine ready for field work during a busy season takes time from field work when every minute counts. Check over machinery before the day you need it.

▲ ▲ ▲

HARROWING a corn field after planting and before the corn shoots emerge from the ground will delay the growth of many weeds. A Hamilton county, Iowa, farmer mounted the corn plow in front of his tractor and the corn planter behind.

▲ ▲ ▲

SAVE GILTS from biggest litters. C. R. Sandifer, Monroe county, Iowa, has picked his gilts this way for several years. He believes he built up the average size of his litters by one pig over a period of years.



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"I WAS about to disc up this field and plant corn until I decided to try Weed-No-More," says Roy Lebold of Zoarville, Ohio. This story of how weeds threatened to ruin a crop is typical of many that are reported. Weed-No-More moves right in on the weeds—even the hard-to-kill kind, but when applied according to directions is perfectly safe on the crops.

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SMALL GRAINS—Weeds rob growing grain of water, fertility, sunlight. Control them safely, easily, inexpensively with Agricultural Weed-No-More. You'll get more bushels per acre of grain that grades higher!

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Choose The Proper Chemical; Don't Overdose; Use It At The Right Time

WEEDS are like bad habits. You can lick them best when they are just getting started. Some weeds easy to kill with chemicals when young get tough with age.

Hot, dry weather adds a protective waxy coating to plant leaves; a film of dust protects older roadside and fence-row weeds.

Generally, you should spray weeds when they are three to six inches tall. Brush should be completely leafed out before spraying. Spray perennial weeds not later than the bud stage. The regrowth should be hit again by the time it is eight inches tall.

When the weeds are big enough and temperatures are up above 70 degrees, don't wait. Hit 'em while they are young.

In addition to 2,4-D, you have a choice of many other chemicals for specific uses. One, 2,4,5-T, promises to be even more effective than 2,4-D on some tough weeds and brush.

If you have a weed problem that doesn't call for 2,4-D, your agricultural chemicals dealer or his service man, the county extension director, college weed specialists, or the Service Bureau of Wallaces' Farmer and Iowa Homestead all will be glad to help. Don't hesitate to ask for advice. It may make you money.

2,4-D: This chemical comes in three types. Many farmers have compared results with the different types. The powdered sodium salts are excellent for easy-to-kill weeds. They also work fine around the dooryard because they are stable. Fumes aren't apt to kill the flowers or tomato plants and get you in bad with your wife.

Amines fall in between the sodium salts and the ester forms. Last year, in Iowa, they gave good results except on the toughest of weeds. They do not act as quickly as esters.

Esters are more volatile—give off more fumes. But they have given better control than the other forms on the deep-rooted perennial weeds. They act quickly. Esters should be used in crops at lower dosages than the other two types.

CORN: The recommended dosage is not more than half a pound of the sodium or amine form and one-fourth pound of the ester form per acre. Avoid spraying corn on real hot days. Corn is apt to be less resistant then.

This year, weed specialists believe it is a good idea to spray corn before it is 10 inches tall. In taller corn, use drop extensions on your spray boom. That puts the chemical down below the leaves of the corn, on the weeds.

Don't cultivate for a week after spraying. Give the chemical time to work. Never overdose.

SMALL GRAIN: Unless the grain is seeded, you can really kill weeds in small grain. Dosage recommendations are the same as for corn. Spray spring-planted grain—oats and barley—when from 6 to 10 inches tall, before any heads appear.

Spray fall-planted grain—wheat and rye—before the crop is in the boot stage. Wheat resists 2,4-D best when the weather is dry. Never overdose.

FLAX: Spraying a test area in the field is a good idea. In fact, that can be done with any crop. But some varieties of flax can't stand 2,4-D. Do not spray in the bud or bloom stage. Do not spray B-5128, Crystal or Minerva varieties.

Spray when the flax is 3 to 6 inches tall. Use just half as much 2,4-D as on corn or small grain—one-fourth pound of sodium salt or amine per acre; one-eighth pound of ester. Never, never overdose.

PASTURES: Most grasses after passing the seedling stage are not hurt much by normal amounts of 2,4-D. Pastures, roadsides, lanes, fence rows and ditch banks are the best places to use chemical weed-killers.

Spray while the weeds are

young. On deep-rooted perennials, repeated treatment is necessary. There's no point in spending your money for the dope, using it on a Canada thistle patch in the spring, and then forgetting about the thistles until next year.

Hit them again when regrowth gets started. You can lick them if you keep after them.

If legumes are present in rotation pasture, and you want to save them, mow or clip the weeds. Don't use 2,4-D.

LEGUMES: Sometimes very small doses of 2,4-D have been used with fair success on red, alsike and white clover. Alfalfa and sweet clover are more sensitive. But it is hard enough to get a good stand of legumes without putting them thru a 2,4-D treatment.

Better plan to spray weeds somewhere else, unless you have a patch of weeds so bad you can afford to kill the legumes in that area.

PRECAUTIONS: You may have had your sprayer working just right last year. But better check it with plain water before you use it this season. Do that with a new sprayer, too.

Around 10 gallons of water per acre seems to be about right when spraying crops. Where the weed growth is heavy or dusty, 15 to 20 gallons per acre may give better results.

Avoid spraying when there is a threat of rain. Ester forms do not wash off as easily as the others. But try to give all of them at least half a day of good weather after application.

Always read all the directions on the product you use. Some manufacturers print labels so you can easily tell just how much actual 2,4-D is in a given amount of their product. Others don't.

Be sure to find out before you mix your spray. A pint of some products may contain more actual 2,4-D than one and a half pints of others. Follow instructions carefully to avoid crop damage.

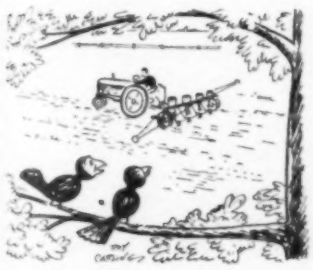
Hog Pasture Worth $50 An Acre

Good hog pasture is worth about $50 an acre, says J. L. Krider, of the University of Illinois.

Krider says one acre of good hog pasture will save about 900 pounds of protein supplement over dry-lot feeding. And that 900 pounds is worth around $50.

Good pasture, says Krider, will save about half the supplement needed to fatten hogs. It will also save about one-third on labor.

Any good green pasture — rye, ladino, alfalfa, alfalfa-brome, clover—will give you these advantages, Krider says.



"I hope this planter is accurate—I hate to do a lot of digging for nothing."

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"Detergent"? YES!

"High-V.I.*"? YES!

* High Viscosity Index—means high resistance to change in body under extremes of heat and cold.

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Don't watch your corn run a losing race with weeds! Control the weeds with 2-4 Dow Weed Killer, Formula 40—then watch your corn grow with new vigor. FORMULA 40 is the best amine salt weed killer you can buy—thoroughly *proved* on thousands of acres of corn and small grains—outstanding for quality and performance.

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This year, use FORMULA 40, Dow's *improved* 2,4-D weed killer. Get those extra bushels of corn—and extra dollars! Ask your state experiment station or your Dow dealer for advice regarding the recommended dosage and the best stage of growth for spraying.

For other weed problems on your farm, ask about these PROVED Dow Weed Killers.
ESTERON 44 . . . for hard-to-kill weeds and woody growth.
ESTERON 245 . . . for control of woody growth, brambles, poison ivy.
DOW SELECTIVE WEED KILLER . . . for peas and grains interplanted with legumes as well as for flax.

Dow Weed Killers

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THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

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Your WEED CONTROL DIGEST is waiting for you at your dealer. Here is the latest information on How and When to control weeds by chemical spraying. An up-to-the-minute, simplified chart of approved weed control methods for your crops. Get your WEED CONTROL DIGEST at your nearest dealer or write to Dow—Dept. 292-9.

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Fail To Kill Lease Notice Law

Repeal Bill Pigeon-Holed In Senate After Passing Iowa House By Vote Of 63 to 34

THE law which requires tenants and landlords to give notice by November 1 if a farm lease is to be ended the next March is still in effect, despite a battering in the Iowa courts and the legislature.

A lively debate in the Iowa house of representatives ended with a vote of 63 to 34 for repeal of the law. The senate sifting committee held the bill, so that body didn't vote on it.

Both landlords and tenants got cuffed around a little in the house debate. W. J. Johannes, of Osceola county, a sponsor of the bill, said:

"This notice law is just a trap for the retired farmer." He said the law had been necessary at one time. That was when insurance companies owned a lot of land in Iowa.

"I never did believe in it," said Grant A. Shifflett, Ringgold county. "It just lets careless tenants take advantage of situations . . . to repeal it will protect older folks."

Harry E. Weichman, of Benton county, said the insurance companies and other big land-holders had learned how to nullify the law. He told of one landlord who forgot to notify his tenant and rented the farm to someone else. Weichman said:

"The tenant asked the landlord $5,000 to move. He paid him off. That's what he did."

"Shyster tenants can take advantage of ailing landlords under this notice law," said John E. Hansen, of Carroll county. He said the law makes both land and landlords suffer.

John A. Walker, of Hamilton county, was the first to get the floor in defense of the law and against the bill.

"I want to call your attention to the fact that all the speakers for the bill are bankers or bank-connected," Walker said.

"Some landlords may have suffered because of this law . . . but tenants have suffered more thru lack of notice."

Walker called the attention of the house members to the poll taken among farmers by Wallaces' Farmer and Iowa Homestead, which showed that farmers favored the notice law by a big margin. Only 3 per cent of those questioned favored repeal, with 10 per cent undecided.

Walker offered an amendment to the bill. He wanted to strike out all after the enacting clause and insert these words in the present law: "Any provision in the lease to the contrary notwithstanding."

The aim of the amendment was to strengthen the present law where it has been weakened by court decisions. The supreme court has held that notice can be written in the lease, and when the tenant signs the lease he has, in effect, accepted notice.

But Walker's amendment was held to be out of order by Speaker G. T. Kuester. A motion that the "previous question be now put" had been carried before Walker got on his feet.

This motion stops all debate except for those who have taken the precaution to file a request to speak on the bill at the chief clerk's desk. It also limits amendments to those already made.

Walker tried to get by the legislative block by moving to reconsider the vote by which motion for the previous question carried. But the motion was lost, despite the fact that the house later let mem-

HERE'S HOW THEY VOTED:

These representatives in the Iowa house voted for the bill and against the law which requires notice November 1 if farm leases are to end the next March.

Anderson	Eckels	Long	Rankin
Armstrong	Fandel	Loss	Robb
Bass	Fiene	Lynes	Robinson
Beman	Foster	Metz	Schanke
Berry	Frei	Meyer	Schwengel
Boothby	Goode	Miller of Black Hawk	Shifflett
Brookings	Graham	Miller of Shelby	Smith
Brownlie	Hansen	Moore	Starrett
Buck	Hendrix	Munger	Strawman
Burlingame	Hoschek	Nielsen	Van Zwol
Burris	Johannes	Patrick	Walter
Clark of Marion	Kopriva	Pieper	Weichman
Crosier	Kosek	Pote	Weiss
Davis	Kruse	Putney	Wells
DeGroote	Leeka	Raim	Wilson
Donohue	Lisle		Mr. Speaker

These voted against the bill and to keep the notice law.

Aubrey	Gallup	Norland	Stevens
Avery	Hanna	Olson	Stiffler
Brown	Hanson	O'Malley	Utzig
Caffrey	Harris	Palmer	Walker
Clarke	Hicklin	Paul	Washburn
Cornick	Landsness	Shepard	Welch
Crabb	Langland	Sherod	Weston
Everett	Lucken	Siefkas	
Fairchild	McEleney	Sloane	

Absent or not voting.

Clark of Appanoose	Hinrichs	Nystrom	Ward
Duffy	Klemesrud	Poston	Young
	Nelson	Tierney	

Debate On Tenants And Landlords

Here are some choice bits from the debate in the Iowa house of representatives on the bill to repeal the law which requires notice by November 1 if farm leases are to be ended the next March 1:

JOHANNES, of Osceola:

"It's a trap for retired farmers."

HANSEN, of Carroll:

"Shyster tenants take advantage of ailing landlords."

WALKER, of Hamilton:

"Tenants have suffered more thru lack of notice."

AVERY, of Clay:

"I rise for the forgotten man—the farm tenant. There's no unemployment compensation for the tenant."

NORLAND, of Worth:

"To make it easy to kick the tenant around is bad."

bers speak against the bill who had not filed requests.

After the attempt to amend was beaten, A. H. Avery, Clay county, got the floor. He said:

"I rise for the forgotten man—the farm tenant. If you pass this bill, the farm owner can come to the tenant on February 1 and tell him he must move on March 1.

"There is no unemployment compensation for this tenant who will soon be without a roof over his head."

Avery was followed by others who had filed notices of their desire to speak on the bill. Norman Norland, Worth county, opposed the bill and defended the notice law this way:

"To make it easy to kick a tenant around is bad. . . . It's bad for the home, the school, the church and the farm. This is anti-farm legislation."

One representative who is listed as one engaged in soil erosion control spoke against the bill and for the present law. He is Fay L. Harris, of Adair county.

"The landlord should find out by November whether he wants to keep the tenant—after that, the tenant is entitled to protection."

Johannes closed the argument for the bill and against the law with an appeal like this:

"Who owns the land, anyway? . . . Does it make sense that the landlord has to notify the tenant when a lease is to be ended? . . . It's about time some of these tenants pull themselves up by their boot-straps."

Many farmer members were included with the 63 house members who voted to end the notice law. In fact, farmers in the legislature split about 50-50 on the proposition.

The bill, after passing the house, went into the senate sifting committee and was never reported out for debate on the senate floor.

So, for two more years, notice will have to be given in Iowa by November 1 if farm leases are to be ended on the next March 1.

FOR A COMPLETE REPORT of action taken by the Iowa Legislature before its adjournment last month, turn to page 30.

Drive the Big Bargain

The Low-Price CASE Tractor With Big-Tractor Features

● When you use a Case Model "VAC" you get in a light 2-plow tractor the eager performance and ENDURANCE that you would expect from bigger, more costly tractors. You get a heavy-duty engine, Case-built to run year after year with little upkeep. It's a long-stroke engine that gives full power at moderate piston speed, pulls still stronger when slowed down. This "lugging" ability saves you a lot of gear shifting.

When you cultivate with the "VAC" the main gangs are ahead of you, easy to watch and quick to go where you steer. Only the middle sweeps are behind, to plow out the wheel tracks. With "quick-dodge" Case steering you can go fast, yet cultivate close and clean. At the end of the row you touch the hydraulic control and the gangs come up. They go down, too, with the same quick, quiet hydraulic action.

Like the larger Case tractors, the "VAC" has plenty of clearance—not only under the axle for big crops but under the engine for implements. For still higher clearance there's the Model "VAH" shown in the smaller picture. It's great for dusting and spraying tall crops, as well as cultivating closely spaced rows.

Go to your Case dealer and see the "VAC." Compare it for size and capacity with any tractor anywhere near its price. For quality, compare it with any tractor at any price.

The Case Forage Harvester is simple and fast because it is built from the beginning for *both* windrows and standing row crops. It's so easy on power you can run it with a full 2-plow tractor, yet has capacity to use the power of 3 and 4-plow tractors. One man cuts, chops and loads 12 to 16 tons per hour of heavy corn for silage—similar amounts of hay, either green for silage or cured for barn storage. Harvests all forages, including combined straw for bedding. Available with either or both windrow and row-crop units.

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Get latest information—no cost or obligation. Just check the items that interest you, write or print your name and address, and mail today to J. I. Case Co., Dept. E-80 Racine, Wis.

☐ "VAC" 2-plow tractor ☐ Forage Harvester
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☐ Informative booklet "How to Make High-Protein Hay."

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Get Rid of Weeds for Better Crops

RELY ON DU PONT 2,4-D WEED KILLERS

Knock out Mustard, Pigweed, fanweed, ragweed, etc., with Du Pont 2,4-D Amine Weed Killers. Give your crops full benefit of moisture and plant food by killing these weeds, roots and all. Also, destroy top growth of bindweed, thistle, etc. Safe to use in wheat, oats and other small grains, flax, corn and also in grass crops and pastures. Specially adapted to low-gallonage applications of 10 gal. or less spray to the acre.

For High-Gallonage Sprays, 10 gal. and more per acre, Du Pont 83% Sodium 2,4-D Weed Killer is ideal. One application kills annual weeds, destroys tops of tough bindweed, nettle, etc.

Kill Tough Weeds and Brush with Du Pont 2,4-D 46% Ester Weed Killer, mixed with oil or water. Not safe in sensitive crops.

NOW! Destroy Quack Grass, Johnson grass, and other grass weeds with new Du Pont 60% Sodium TCA Weed Killer. Ideal to use with Du Pont 2,4-D to kill all weeds. Ask us about it.

Now DU PONT MARLATE®

Kills Livestock Insects with Exceptional safety to animals

This new, long-lasting quick-acting insecticide kills flies, mosquitoes, lice, etc. And even better, Du Pont "Marlate" Methoxychlor provides exceptional safety when used on livestock, buildings and crops, due to very low toxicity to warm-blooded animals. *Comes as wettable powder,* ideal to mix with water for barn and livestock sprays. Also for insects on forage and field crops.

SEE YOUR DEALER NOW *and be sure you have supplies when you need them. Ask him for free Du Pont booklets, or write to Du Pont, Grasselli Chemicals Dept., at one of the addresses below:*

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or
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BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

DU PONT CHEMICALS FOR THE FARM INCLUDE: *Fungicides:* **PARZATE* (Liquid and Dry), FERMATE*, ZERLATE*, Copper-A (Fixed Copper), SULFORON* and SULFORON*-X Wettable Sulfurs**—*Insecticides:* **DEENATE* DDT, MARLATE* (Methoxychlor), LEXONE* (Benzene Hexachloride), KRENITE* Dinitro Spray**—*Weed Killers:* **AMMATE*, 2,4-D, TCA and Dinitro Weed Killers**—*Also:* **Du Pont Cotton Dusts, Du Pont Spreader Sticker, PARMONE* Fruit Drop Inhibitor and many others.**

*REG. U. S. PAT. OFF.

[On all chemicals always follow directions for application. Where warning or caution statements on use of the product are given, read them carefully.]

Workday Pointers

A BOX OF SAND in your garage or tractor shed can be used to fight oil or grease fires.

▲ ▲ ▲

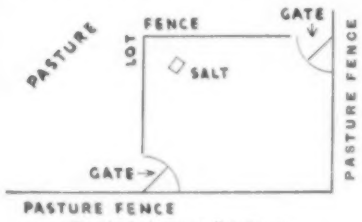
DEEP PLANTING does not make corn root deeper. The moisture level determines where the corn roots go.

▲ ▲ ▲

LIGHTNING RODS don't protect buildings if the ground rod is broken. You may save life and property by checking and repairing now.

▲ ▲ ▲

BACK PASTURES should have a corral for penning animals that need veterinary treatment or other close examination. It can be built in one corner of the pasture



(The North American Veterinarian)

fence. There should be a gate in each corner. If the gates are left open, and salt is fed in the pen, the animals will not be suspicious about being cornered. The fences should be extra good all around the pen.

▲ ▲ ▲

MOLDY CORN is not ordinarily dangerous to hogs or cattle. But watch the livestock while you feed it. Trouble can result. Moldy corn is quite likely to cause trouble if fed to sheep, horses or poultry.

▲ ▲ ▲

"BE ALERT—Don't Get Hurt." When operating big farm machinery, follow that slogan of the Iowa Farm Safety Committee. It may save an eye, a leg, an arm, or maybe your life.

▲ ▲ ▲

CORN NEEDS an even start with the weeds. You can give the corn an even start with the weeds by disking the ground just ahead of the planter and then harrowing just as the corn comes thru the ground.

▲ ▲ ▲

FERTILIZER on corn goes twice as far with a corn planter attachment, compared with broadcasting. One exception may be straight nitrogen, which shows good results from side-dressing with a cultivator attachment.

▲ ▲ ▲

SHELLED CORN that has been dried down to 13.5 per cent moisture does not have to be sold on the present market if you can find a place to store it at home or under a warehouse receipt. You can sign the purchase agreement and get the loan price next fall.

▲ ▲ ▲

BLOAT REMEDIES, such as salt, soda or lime, will not make cattle safe on legume pastures, says Floyd Arnold, Iowa State College dairyman. They are too mild to stop gas formation. If they did stop gas formation, they would also interfere with digestion. Give cattle a little rough feed and all the water they want before going to legume pasture says Arnold.

TEMPORARY WIRING used in the hog house or barn for heat lamps or pig brooders should be taken down at once when no longer needed. There is fire danger in it.

▲ ▲ ▲

CANVAS SLAPPERS are better than a pitchfork or club for driving hogs. They also save meat spoilage thru bloodshot hams and shoulders. Slappers can be bought or made on the farm.

▲ ▲ ▲

HARROW immediately after the plow if you turn under a six or eight-inch growth of sweet clover for corn or beans. Otherwise, much moisture may be lost.

▲ ▲ ▲

PIGS FROM BIG LITTERS will be just as big at weaning as pigs from small litters if you teach them to eat early and feed them well. If you let the pigs live on the sow's milk alone, then the pigs from big litters will be much smaller.

▲ ▲ ▲

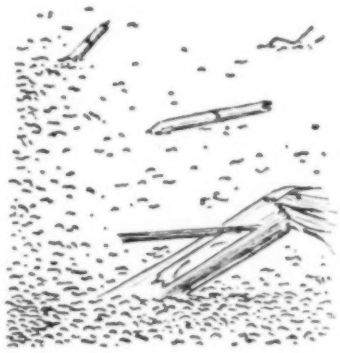
ROPE SLICES are stronger than knots. But either one reduces the strength of a rope. Two half-hitches leave the rope with 62 per cent of its original strength. A good splice saves 77 per cent of a rope's strength. Tests were made at the University of Iowa material test laboratory.

▲ ▲ ▲

CORN BORERS are still in the old corn stalks or in the cobs. The worms will change to the pupa or resting stage very soon. They will remain in the resting

THE BORER

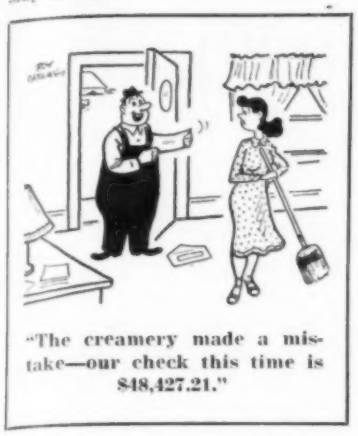
RESTING STAGE OR PUPA
NATURAL SIZE



stage about two weeks. The moths will emerge in June to lay eggs on the corn leaves. About the only way you can fight the borers right now is to plant corn at the right time. It varies according to the season, but moderate dates, neither early or late, are best in most years.

▲ ▲ ▲

CORN EARS will be smaller, but total yield will be greater with thick planting, if water and plant food are plentiful. On poor land or in dry seasons, thick planting may reduce the total yield, however. More than three kernels per hill in southern Iowa, or more than four per hill in northern Iowa, is called thick planting.



"The creamery made a mistake—our check this time is $48,427.21."

Farm Outlook: Less Demand

Here's the way farm price prospects for the next few months look to Francis Kutish, Iowa State College economist.

DEMAND: Economic activity is leveling off. The tremendous demand for most types of goods seems slackening. Consumer savings have risen recently. Prospects indicate another year of large farm production—unless we have dry weather. Carry-over of 1948 grains will be largest since war's end. Weaker demand and larger supplies mean some further drop in prices of farm products; but no sharp, over-all slump is expected.

DAIRY: Milk production is running ahead of last year. Most of the increase has gone into butter and cheese. The government continues to support butter prices by open-market purchases.

EGGS: More farm chickens will be marketed this year. And they will come to market earlier. Last February, farmers said they were going to raise about 7 per cent more chickens this year. But, at the rate they are buying baby chicks, they will do better than that. Further drop in chicken and turkey prices seems likely in the next few months.

GRAINS: Prices of feed grains next fall will be below loan levels—if the weather is average or better. Supplies are likely to total smaller than in 1948—but larger than in other recent years.

PROTEIN FEEDS: Supplies of oil-seed meals next fall will fall short of the 1948-49 record high. But they will be close to the high level of other recent years. Most of the drop will come in soybean meal. By-product feeds may be down slightly.

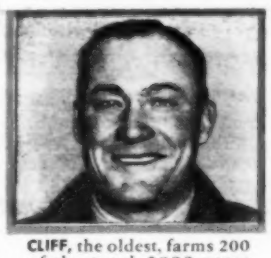
HOGS: Hog price supports will be about $18 next September. With corn at $1.30 a bushel, this means a 14-to-1 hog-corn ratio. That is a profitable ratio for making corn into pork. Price supports are almost certain to be lower later in the season. So head hogs for the early market.

CATTLE: Corn belt cattle feeders had 23 per cent more cattle on feed on April 1 than a year ago. In actual numbers, the increase amounted to about 480,000 head. However, the number on feed April 1 was down about 8 per cent from April 1, 1947. If cattle feeders follow thru on their April 1 intentions, about half of these cattle, or about an average share, will be headed for the market before July 1.

"We've bought from Skelly for 20 years

—because we've found you can always depend on the Skellyman"

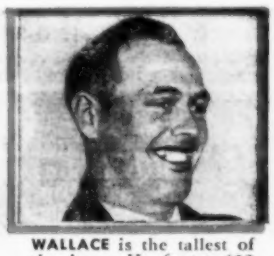
On March 14, Mr. and Mrs. Guy Stewart of Fairbury, Nebraska, celebrated their 48th wedding anniversary. For 20 of those years, they have been satisfied customers of George Hackbarth, their local Skelly Tank Station salesman. Says Mr. Stewart, "I was one of the first customers George had back in 1929. He is one fellow I can depend on for everything."



CLIFF, the oldest, farms 200 of the total 2880 acres farmed by the family.

MARVIN, next to the oldest and father of three children, farms 400 acres.

GLENN farms 380 acres. This includes the land on his father's farm.



WALLACE is the tallest of the boys. He farms 420 acres.

LLOYD, the handyman at doing everything, has a big 1000 acres to farm.

ORVILLE and Dale are teamed up together. They farm a total of 480 acres.

DALE, the youngest son, lives on the farm homesteaded by his grandfather in the 1870's.

"AND THEIR 7 SONS ARE ALL MY CUSTOMERS, TOO"

—says Skellyman George Hackbarth. "They're a fine big family and I enjoy giving them the best service possible." In typical Skellyman fashion, George always feels that his customers are his personal friends. And he treats them as such.

SKELLY Farm Service can help you, too. Contact your friendly Skelly Tank Station Salesman or Jobber today. His line is complete, includes Skelly Fortified Tagolene and Skelly Fortified Tagolene Heavy-Duty Motor Oils, greases, accessories, and fuels. Money-back guaranteed!

GUARANTEED AGRICULTURAL CHEMICALS

For positive Weed Control, use 2,4-D with FLUOL; it kills the entire weed—roots and all. And 2,4-D WITH FLUOL IS GUARANTEED NOT TO CLOG SPRAYER NOZZLES OR YOUR MONEY BACK!

Ask your Skelly Tank Station Salesman for complete information about 2,4-D with FLUOL, or write Skelly Oil Company, Box 436, Kansas City, Missouri.

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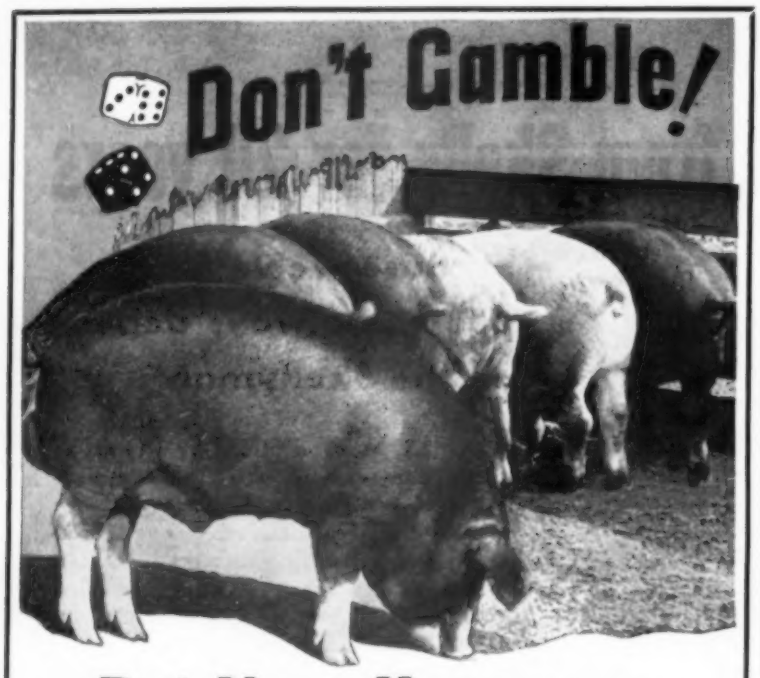

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Where Brannan Plan Touches You

Here's An Easy Way To Find Out What Secretary Of Agriculture Is Suggesting

"LOOKS too deep for me" is what many farmers said when the first report on the Brannan farm program came out. Spring work was hurrying them, too.

But the new program may make a lot of difference to you if congress accepts all or part of it.

Better see what it means. Below is a list of questions folks have been asking. The answers are the best ones that the editors could dig out of a study of the recommendations.

More information will be available later. But this will give you a start.

What's happened to parity? We've been talking about loans of 90 per cent of parity, and things like that. I don't see any mention of parity in the Brannan plan.

There isn't. Parity, under the present law, means that a bushel of corn—or any other farm product—should be able to buy as much in non-farm goods as it could buy in the period 1909-14. If congress adopts the Brannan program, the old parity—useful tho it was—will be thru.

What's the idea? Why get rid of parity? What's Brannan going to put in its place as a measure of what farmers are entitled to expect?

Well, 1909-14 was a long time ago. Things have changed. Again, what farmers are concerned about is income, not price. So the Brannan program puts up income as a goal, not price for a particular commodity.

All right, how does he figure the income goal that farmers should shoot at? How big is it? How do you measure it?

The period 1939-48 is taken as the standard in figuring an income goal for 1950. On the average of these 10 years, farmers' total income had a buying power—in 1939-48 dollars—of 18 billions.

But that isn't the goal for 1950. For today—and probably in 1950—a dollar doesn't go as far as in 1939-48. Actually, prices of things farmers buy are 44 per cent higher now than they averaged in the 10-year period of 1939-48.

So you increase 18 billions by 44 per cent to find an income goal that will buy as much as the 1939-48 average. That comes out 26 billions.

You mean that with prices as they are now for things farmers buy, we should aim at a farm income of 26 billions?

That's what the man says. This plan bases the income goal on a recent 10-year period, and one that was very profitable for farmers. Some folks say this is too high. Congress will argue a lot about this.

Maybe this is an "asking" price—something that will be whittled down later. One suggestion is that the inflation years—1947, '48 and '49—be left out.

That figure of 26 billions sounds good, but how do you turn it into support prices for individual commodities? What do I get for hogs in order to make everything add up to 26 billions?

To figure this out, you take the average annual cash receipts from farm marketings for the period 1940-49 (note that this is a different 10 years from the one we used above) and divide that into the income goal of 26 billion dollars. It turns out that the income goal is just 1.25 times the cash receipts.

Now take the average price that farmers got for each farm product over those 10 years and multiply by $1.25. That gives the new support price. Hog supports would be $19. Corn would be $1.46.

But wouldn't that method give farmers a bigger income than 26 billion in a year of big crops and a smaller income than 26 billion in a year of poor crops?

It might. Some folks suggest that an amount equal to the support price multiplied by the normal corn crop be set aside for corn. Then, if the crop is large, lower the support price per bushel accordingly. If the crop is small, raise it.

Aren't we paying farmers, under this plan, to produce crops and livestock in just the same proportions as they did in the last 10 years? Maybe in the future we'll want less of one thing and more of another.

The 10-year base gives the edge to livestock and livestock products over crops. But it does freeze the relation between commodities on the 10-year basis. That isn't so good.

How do the supports under the Brannan plan compare with those under the Hope-Aiken law?

The Aiken bill, at 90 per cent supports, would back up hog prices at $16.60. The Brannan income support standard is $19.

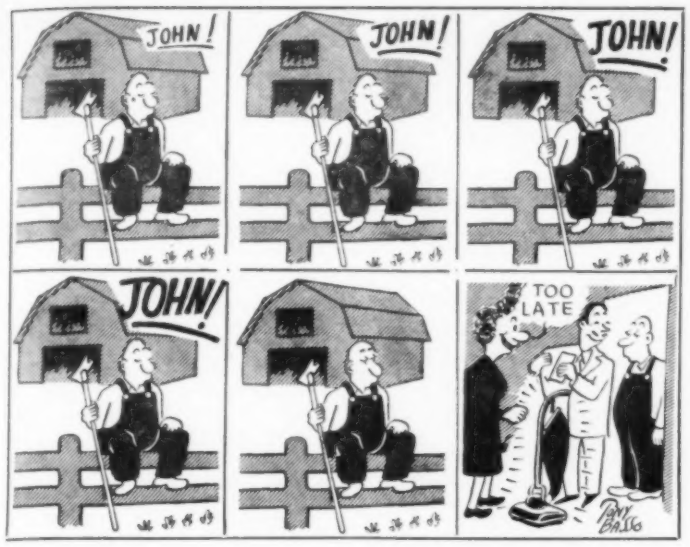
The Aiken bill would support corn at 90 per cent of parity, $1.35. The income support standard is $1.46.

Butterfat, under the income support standard, comes up from 58 cents to 67 cents. Whole milk from $3.70 per hundred to $4.22.

In general, livestock and livestock products get a better break than crops.

Consumers are balking at present prices for farm products. How would they buy freely enough, at these Brannan prices, to clear the market?

They might not. That's where the "production payment" comes in. Brannan says that if the income support standard for hogs is $19, and the market begins to slide,



let it slide. Maybe the price will drop to $14. O. K. The consumer gets cheap pork. But the producer gets $5 per hundred in cash on all the hogs he sold while hogs were at $14.

That will cost the tax-payer (including the farm tax-payer) a lot of money, won't it?

That depends on employment, pay rolls and industrial production. In a time of prosperity, folks may buy a lot of hogs at $19 and not turn a hair. With some unemployment, the market price would drop and the government would have to make up the difference between market price and support price.

We don't yet have satisfactory estimates on what the Brannan program would cost. It might cost very little in prosperity, but a lot if times got hard.

With prices like these, farmers will just burst themselves to produce. Can the country use it up?

Maybe not. Cotton and wheat, particularly, may be overproduced as foreign markets shrink. In that case, allotments and marketing quotas will be employed to cut down production and marketing.

Feed crops would be turned into livestock, and livestock sold at whatever the market would offer. Brannan thinks most folks could eat more meat and butter and milk, and that low prices would just make them eat more. But heavy livestock production, with falling markets, would put a big burden on the treasury.

Shouldn't we help some cotton, wheat and tobacco farmers to shift from producing surplus crops into other lines?

Yes, but the Brannan proposal doesn't do much in this field. Prices for cotton, wheat and tobacco are so good that farmers will hang on until surpluses force stiff allotments and marketing quotas.

I hear a lot of talk about how the Brannan plan will make every farmer do just what the government says—in acreage planted, number of sows kept, etc. Is that so?

We can't tell until the full plan is published. It looks as if production controls would be clamped down first on crops. Brannan hopes consumers will eat heartily and will clean up livestock products. But if production got too high, controls might be needed in every line.

How would these controls work? Like the old AAA, or what?

Again, we can't be sure. One suggestion is that a soil management plan be laid out for each farm. A farmer, to get the promised loans and support prices, would have to carry out this soil plan. One trouble here would be to get a plan laid out for everybody in a short time.

Allotments on corn, as in the old AAA, would probably be used if corn supplies got large. Marketing quotas—not used with corn by the AAA—might also be employed, if farmers voted for them.

What's this I hear about big farmers not getting supports under the Brannan plan?

If a farmer produces more than 1,800 units (a unit is 10 bushels of corn or its equivalent), he gets support prices only on the 1,800 units, no supports on production beyond that.

Suppose an Iowa farmer feeds all his crops to hogs, and sells 136,800 pounds of live hogs a year. That's his gross income. It also is 1,800 units. He would get, at $18 per hundred, around $25,000. Any hogs in excess of this amount would sell at the market.

If this 1,800-unit provision were handled as above, it would affect about 10 per cent of Iowa's farmers. But no one seems sure whether a hog raiser could deduct for purchased feed, or how he would be affected under marketing quotas, or a lot of other things. It looks like a difficult provision to administer.

Will this Brannan plan be substituted for the present Hope-Aiken law?

Congress will settle that. It seems likely that production payments may be put into the law soon, so they can be used to help the hog market next fall. The plan of an income goal may be adopted, but the goal may be lower than provided in the Brannan plan. This would lower support prices toward the Aiken level.

What will city people think of the Brannan plan?

As consumers, they'll like to see prices of farm products fall instead of having the government spend money to hold the price up. As tax-payers, they'll be uneasy about the cost of paying the farmer the difference betwen the market price and the support price.

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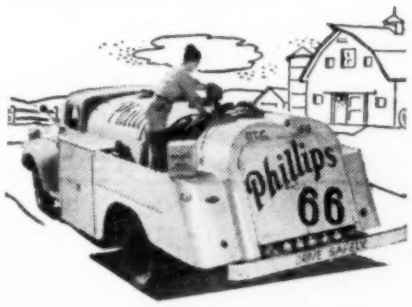

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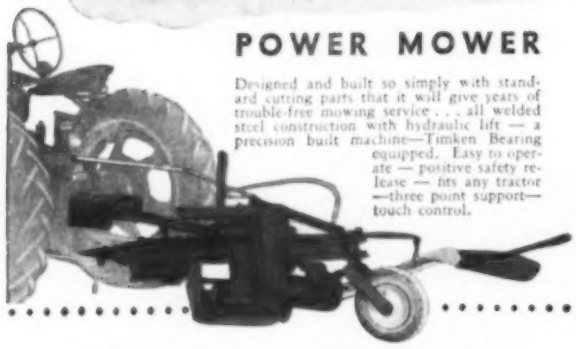

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Denver 16, Colorado Council Bluffs, Iowa

Tunnels in full corn cribs can be made by this method. Then you can see what corn is like in middle of crib, and install ventilators if necessary. The method is to drive 10-foot iron stakes in a semi-circle to support roof of the tunnel, then pull out the corn below with special rake. A Minnesota farmer has proved that it works.

Tunnels In Corn

You Can Insert Ventilators In Full Cribs

DID you ever wish you could put ventilators in your cribs after they were filled with corn? Judene Martin, of Freeborn county, Minnesota, found a way to do it.

Martin watched men trying to get ventilators into a full corn crib at a corn-drying demonstration. They were having a hard time. As fast as they pulled the corn away to insert the steel ventilator, more corn rolled in.

A long iron bar was leaning against the side of the crib. Martin got his eye on it. It gave him an idea.

He went home and had a dozen or so iron rods made. They were about 10 feet long and sharp at one end.

Then Martin drove the rods into the end of a full crib of corn. They were driven to form a half-moon, as shown in the illustration at the top of the page.

The corn was raked out from under the rods. Martin soon had a tunnel into the middle of the crib. With the special rake he had made, it took him only a very short time to make the hole thru the corn.

This gave an opportunity to see just what the corn was like in the middle of the crib. Ventilators could be inserted easily.

By going in at each end of the crib, you can reach most of the corn in cribs of ordinary length. For long cribs, one tunnel from the side may be necessary.

Martin used the idea to do custom drying of corn. He tunnels into a neighbor's crib, inserts an air-duct and stuffs burlap sacks around the pipe.

Then he uses a corn drier to force warm air thru the corn. Corn is dried out rapidly.

The better plan is to put the ventilators thru the corn cribs at the time the cribs are being filled. But if you don't do that, the rods can be used to make the air tunnels.

If you have a crib of corn that you think might be spoiling in the middle, a corn probe could be used first. Then, if the probe indicates that the corn should have immediate attention, the tunnels can be made.

Ventilators inserted in the tunnels would be of some help in drying the corn. But forcing warm air thru the tunnels with a fan acts much quicker.

Inventor of method for making tunnels in full cribs is Judene Martin, Freeborn county, Minnesota. He's shown with special rake for pulling out corn.

Thorp Wins Grand Champion Award Again!

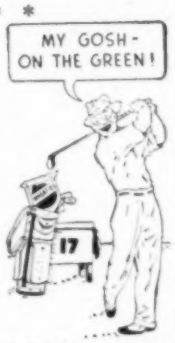
His Herefords Get 2nd Top Honor In Row

BRITTON, S. DAK.—Once more the judges at Fort Worth's great Southwestern Exposition have given its most coveted honor to a Hereford bull bred by Walton W. Thorp. This year's ribbon was pinned on TH Royal Domino 37th. At the '48 Texas show, Thorp's Windsor A. Royal got the top award.

Good reason to smile!

ACTIVE year 'round in registered Hereford breeding, Thorp also farms 3,000 acres with varied crops . . . oats, corn, wheat, barley, flax, alfalfa. And puts up some 1,000 acres of wild hay! Needs his Wheaties? "Wheaties," says Thorp, "have been on my ration ever since they were made. Wheaties stick to one's ribs longer than many other foods."

* * *



WINNING CHAMPIONSHIPS in a row is nothing new for this six-foot-two cattleman. Played four years on U. of Minnesota football team that won Western Conference championship three times! . . . Golf is now Thorp's favorite hobby. Wife's is bridge. Wheaties with fruit and milk a favorite dish of the Thorps—for breakfast, and suppers. . . Famous training dish of many big leaguers, too. These 100% whole wheat flakes bring you 3 B vitamins, also minerals, proteins, food energy. "Breakfast of Champions"!

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OUTSIDE STUFF

IT'S FUNNY how a trip can change your outlook. Recently, I spent a couple of weeks in Indiana and Illinois, talking with farmers, college professors and attending meetings.

• • •

THE trip helped clear up a lot of worries about corn borers. Illinois and Indiana farmers had several years of experience before the borer crossed the Mississippi.

• • •

THE phrase, "as good land as lays outdoors," seems to be universal. There is plenty of land in the prairie section of Illinois and Indiana to back up the statement. Much of it is now being ruined.

• • •

CORN and soybean rotations, absentee landlords and tenant farmers forced to grow grain and more grain are spoiling Illinois prairie counties. Some of the grain farmers in the area load their equipment on semi-trailers in the fall, go to Florida, make a crop of potatoes or vegetables, and return in time for spring work.

• • •

THAT'S no good. They need more livestock, more grasses and legumes, more community interests at home.

• • •

IT'S fun, tho, to watch the Illinois Farm Bureau in action—to watch the barge transportation on the Illinois river—to visit the Indiana limestone quarries — to count the individual hog houses in Indiana pastures—to see shrubs, red buds, tulips and daffodils in bloom in early April.

• • •

I SAW big "cats" pulling 30 feet of disk. I saw men plowing pretty good-sized fields with a pair of mules pulling a walking plow, and thought of James Whitcomb Riley.

• • •

THE conference of the Animal Health Institute at French Lick, Ind., offered an opportunity to visit with research men who are constantly trying to improve livestock health.

• • •

RESEARCH in animal health brings up a subject that always arouses my indignation. In 1947, 82 per cent of Iowa's farm income of $2,400,000,000 came from livestock and poultry.

• • •

THE total allotted for veterinary research work in animal disease under the 1948-49 budget for the Iowa State College Veterinary Research Institute was only $116,150.

• • •

NO WONDER we don't know much about baby pig disease, mastitis, swine influenza, Bang's and plenty of other costly livestock diseases. I guess it's our own fault.

• • •

ENOUGH of that. We all have our pet peeves. And, goodness knows, we now have plenty of animal health knowledge which we don't use.—W. D. Inman.

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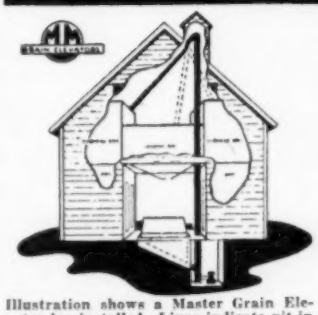

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WHAT'S AHEAD FOR HOGS?

How Long Will Hog Slump Last?

Support Price Schedule Indicates Bottom In Late May, Pick-Up In July And August

HOG prices usually slump in late spring, when the fall pig run hits the market. But most farmers think the present decline is more than an ordinary seasonal slump.

Packers think so, too. They may not lay in much more pork now. They think there will be plenty of hogs coming in early fall.

Consumer income is declining only slightly, but more of it is going to non-food buying.

Up until now few farmers have paid much attention to support prices for hogs. Now it's different.

Here is what the government promised to do: Support good and choice butchers at Chicago at the following levels:

Week Ending	Support Price
May 14	$16.50
May 21, 28	16.25
June 4, 11	16.25
June 18	16.50
June 25	16.75
July 2	17.00

From $17, the support price rises to $18 in late July, and to $18.50 in September. No supports have been announced beyond the end of September.

Government buying of pork should keep prices on good and choice butchers from falling below support levels in the next few weeks. After that, the market will probably take care of itself until fall.

Secretary Brannan says market support would be more effective and would cost less if the price were permitted to drop, and farmers given the difference between the market price and the support price. Trouble this month and next may lead congress to authorize such action for next fall.

Farmers are now making up their minds on two hog problems. They are:

1. How many fall pigs to raise.

2. How fast to push spring pigs for the fall market.

Present indications are that the spring pig crop of 1949 will be large, and that hog prices will have trouble staying above support levels next winter.

When 1949 fall pigs come on the market in the late spring of 1950, the chances are that pork supplies will be large and that the market may be less favorable than now.

This is the year to go easy on fall pigs. Raise what you can handle easily. Don't expand.

But, before you make a final decision, look at your corn crib. If you have plenty of crib space and can seal corn, it may pay you more to seal the corn next fall than to feed it to fall pigs. But if you have to choose between feeding corn to fall pigs or selling "free corn," the pigs may be a better bargain.

What about pushing early pigs for the September market? It is still good business. But farmers should note that more pigs than usual came early, and that the September market will receive a lot of hogs.

The support price for September is $18.50. That's good money for 1948 corn fed to pigs.

Trouble is that farmers aren't dead sure they'll get $18.50. Unless congress authorizes Secretary Brannan to use "production payments," farmers may get less.

Watch what congress does on this. If Brannan is told to let the market price drop, and make up the difference between price and support by a government check, then farmers will be sure of $18.50 in supports in September.

But, even tho lots of hogs are headed for the September market, it is still good business for farmers with early pigs to hurry them along. September will be better than October.

Legumes Will Help Drainage

If your once well-drained soil is clogged up this spring, don't put all blame on your tile system.

Your poor drainage could be due to damaged soil structure and loss of organic matter caused by overcropping, says the Middle-West Soil Improvement Committee.

Too many grain crops and too few deep-rooted legumes in the rotation have broken down soil structure on many farms, the committee says. Failure to return plant food, manure and crop residues to the soil have made the problem worse.

Deep-rooted legumes, such as alfalfa and sweet clover, will help unclog poorly drained soils.

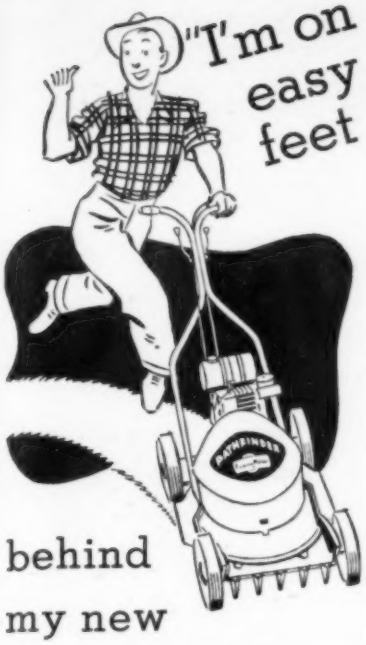
More Iowa Cattle On Grain

Iowa had 25 per cent more cattle on grain feed April 1 this year than a year earlier, says the Crop and Livestock Reporting Service.

But there hasn't been that much increase in the total number of beef cattle on Iowa farms. Actually, the total is up only 5 per cent. But more are on grain, which means some increase in beef produced and a big boost in quality.

About two-thirds of the cattle on feed are under 900 pounds and about half are in the 600 to 900-pound range. One big change over last year is a 20 per cent increase in beef steers over a year old.

The pattern of expecting marketing is about normal, with 61 per cent of the cattle expected to be finished after July 1.



"My Fairbanks-Morse rotary power mower is easy to maneuver. Balanced on 4 wheels, it takes humps, bumps and slopes in *its* stride, without breaking *mine*. That's why mowing now is fun—and easy on my feet!"

Fairbanks-Morse rotary power mowers cut fast, moving forward or backward. Cutting height is adjustable to 5 inches above ground. Rotor disc mounts 6 mower blades. Mower cuts stiff, high weeds, mesquite and matted, long grass as easily as it cuts fine, light grasses.

Mowers are available in 20 and 24-inch sizes, manually or self-propelled. A special model for soft, soggy turf and a lightweight single bar mower with an 18-inch cut also are available. See your Fairbanks-Morse dealer or mail the coupon today.

Fairbanks, Morse & Co.,
902 Harvey St.,
Omaha 8, Nebr.

Gentlemen: Please tell me where I can see Fairbanks-Morse rotary power mowers demonstrated ☐. Send me a descriptive folder ☐.

Name.....

Address.....RD.....

City.....State.....

F11-5

QUIPS AND QUOTES

GOSSIP ALWAYS seems to travel fastest over the sour-grape vine. —Walnut Bureau.

THERE ARE TWO sides to every argument—but no end.—Algona Upper Des Moines.

THEY SAY there is no one so poor as the one who has only money. —Lake Mills Graphic.

IN THIS MODERN DAY most of us have too much on our mind—and too little mind. — Keosauqua Register.

LOOKS LIKE many of us will have to find a way of living on less than we couldn't live on before.—Tama News-Herald.

MANY A YOUNG MAN has set out to conquer the world and ended up by getting married.—Davenport Democrat.

TODAY IS THAT tomorrow you were thinking about yesterday when you decided to do that putting off. — Mason City Globe-Gazette.

ABOUT THE ONLY person who can really make a living out of guessing contests is the man in the weather bureau.—Algona Upper Des Moines.

ONE OF OUR FRIENDS sees a marked similarity between some minds and concrete. Both are all mixed up and permanently set.—Mason City Globe-Gazette.

IT NOW BECOMES a race for towns to increase their trade territory and at the same time to know what to do with the cars when they come.—Knoxville Express.

ACCORDING to a survey, only a third of the men depend upon their womenfolk to select their clothes. The other two-thirds look like it. — Webster City Freeman-Journal.

LIFE IS A CONSTANT process of keeping your finger on the pulse, your eye on the ball, your nose on the grindstone, your ear to the ground, your tongue in your cheek. And once in a while it's necessary to get your dander up and put your foot down.—Washington Journal.

"Wow! That should give us plenty of spare parts."

Crib Plans FREE!

Send for FREE crib blueprints with list materials. Also FREE Elevator catalog, shows 8 styles.

MEYER CUP ELEVATORS

Simplest, strongest — No short turns. Widest, sturdiest PORTABLES that handle baled hay. Write us your Elevator problems today. State whether interested in BUCKET or PORTABLE.

THE MEYER MFG. CO.
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Easier CAR WASHING

TUCKER CAR WASHER

$3.95 Postpaid

Fountain Brush. No chamois needed. Attached to hose, your hose is your handle. New Fuzzy Wuzzy fleece sponge head is only device we guarantee for new car finish. 100% virgin wool. Water flows through head for finest wash. Send check or money order NOW to:

TUCKER MFG. CO., Dept. W., Cedar Rapids, Iowa

OTTAWA Buzz Master

No Other Like It!

A faster brush cutter and wood sawing machine. Propels itself while cutting saplings and brush. 7 H-P motor. Many outstanding, exclusive features. Available attachments: sickle bar, rotary tiller, sprayer, air compressor, snow plow and pulley for belt work. Thousands in use. FREE booklet.

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FARMER'S WOOL made into blankets, batting, robes, and yarn. Circular free. MONTICELLO WOOLEN MILLS, Monticello 6, Wisconsin.

BUY BONDS! — SAVE MONEY!

Here's HOW "CLARK" CUTS..... YOUR CORN CARE COSTS!!!

NEW CLARK WEED AND INSECT SPRAYER

. . . Does *ALL* Farm Spray Jobs

QUICKER! EASIER, at LESS COST!

Now, you can own a FARM-PROVED weed and insect tractor sprayer with all the "trouble bugs" out! Clark's minute-mount is adaptable to BOTH front and rear of tractor mounting. Front boom mount allows open vision precision spraying and patented automatic boom hinge eliminates obstruction dangers. Farm engineered to do more farm jobs better at far less cost. A combination 3-in-1 hand boom provides special spray heads for cattle, trees, buildings and other money making commercial jobs.

Clark's Weed and Insect Sprayer will cut corn care costs for you, too! It's ready for delivery now, the CLARK TRACTOR SPRAYER is custom built for Jeeps, trucks or your make of tractor. Also available in a ready-to-hook on trailer model. See a free demonstration of the 15 extra advantages the Clark Sprayer offers the larger corn farmer. Write today for name of dealer nearest you.

Only CLARK *HAS THESE*

Farm Tested Extras

3 section all-steel boom for most efficient six 40" row coverage.
Your choice, new fool-proof Hypo direct drive roller pump or one inch bronze gear pump.
Fold-over booms and slide mounting principle requires only a few seconds by one man.
Exclusive patented automatic boom control hinge ends obstruction worries.
Clark's target nozzles and 4-way valve controls insure more acres per gallon.
Both adjustable boom and extensions to drop spray jets to any level.
Extra thread orifice and sediment trap stamped in boom for trouble free nozzles.

Write For Your **Free Copy** "15 ways to cut corn care cost this year!"

TRACTOR FIELD SPRAYER

CLARK With Patented Automatic Boom Control Hinge

Distributed By

DULTMEIER IOWA CO.
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CLARK MANUFACTURING CO.
Atherton, Missouri

MANURE SPREADER • LIME SPREADER SELF-UNLOADING WAGON

ALL OPERATIONS ARE POWERED FROM YOUR TRACTOR POWER TAKE-OFF

No other spreader gives you all these money-making, time-saving, work-relieving, modern, practical advantages. It spreads as thick or thin as the soil needs, whether standing still or moving. It will spread over any surface condition—snow, ice or slippery mud. All operations and speeds are controlled from the tractor seat including the LIME SPREADER attachment.

Slip off the beater spreaders and you have a power-driven SELF-UNLOADING WAGON—attach extension sides for maximum capacity 100 BU.

Made of PERFECT ALOY, which resists rust 4 to 5 times longer than ordinary sheet steel. Roller bearings and many other advance features which you must see and use to fully appreciate.

YOU NEED THESE WAGONS TOO

The only farm wagon unit with built-in hydraulic hoist operated by tractor power . . . tops them all for reducing hard work, speeding up operations, and hauling more efficiently. . . . The Cobey 31-A, Dump Wagon carries and dumps a 4½ ton maximum payload. Can be furnished with any or all attachments shown.

MODEL 21-A HI-SPEED WAGON has a stationary mounted 100 bu. grain-tight box and all attachments except chopper body. Maximum capacity 3 tons.

Cobey HEAVY DUTY Wagon MODEL 31-A

THE PERFECTION STEEL BODY COMPANY
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RETURN THIS COUPON

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Please send me complete information on items checked.

☐ Power Driven Spreader ☐ 11-A, Wagon Gear
☐ 31-A, Dump Wagon ☐ Utility Wagon Boxes
☐ 21-A, Hi-Speed Wagon ☐ 2-Wheel Trailer
☐ 2-Wheel Tilting Platform Wagon

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Cobey FARM EQUIPMENT DIVISION

YOU'LL FIND PLENTY OF USES FOR THIS BIG UTILITY CAN

YOURS WHEN YOU BUY
MEDICRUDE
FOR HOG LICE
SARCOPTIC MANGE

Medicrude is an effective aid in the treatment and prevention of hog lice and sarcoptic mange. Use in vats, wallows, for dipping, spraying or on rubbing posts. It's guaranteed to satisfy you or your money back!

You'll find this utility can the handiest liquid container you've ever owned. Use it for gasoline, kerosene, etc. Get Medicrude for your hogs ... and get the extra bonus of this great can. Buy from your friendly D-X Farm Serviceman or write direct.

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MID-CONTINENT PETROLEUM CORPORATION
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AFTER THE STORM.. THE RAINBOW!

AGRICULTURAL MUTUAL
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DESPITE 1948 HAIL LOSSES BEING THE HIGHEST IN 24 YEARS

AGRICULTURAL MUTUAL
Paid Policyholders

28% DIVIDEND on last half of year
10% DISCOUNT on first half of year
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Yes, that's right, a 28% October 1st dividend, in addition to the above discounts. All hail loss claims paid promptly. That's HAIL PROTECTION at a SAVING. Play safe, be prepared. Insure with SAFETY AT A SAVING. See your AGRICULTURAL MUTUAL agent before you buy.

COMPARE THESE ADVANTAGES

(1) Low Cost, Easy Payment Bushel Plan, (2) Guaranteed Cash Discounts, (3) Free Annual Amending Service, (4) Prompt Exact, Scientific Adjustments, (5) Plainly Written Contracts, (6) Financial Strength. AVAILABLE NOW . . . EXTENDED SOY BEAN COVERAGE TO OCTOBER 1ST. Write for FREE illustrated folder and learn how you can get the best protection for less. See your AGRICULTURAL MUTUAL Agent or write to Karl Wagner, Secretary. Some good territories open for agents.

AGRICULTURAL MUTUAL INSURANCE ASSOCIATION
Capital City Bank Bldg. • Des Moines, Iowa

Contour furrow is plowed out by Merle Wheatcraft, Marion county, Iowa, following stakes set by SCS Technician Case Dehaai. After a year of corn, this hilly field will be seeded again in 1950.

Iowa Farms Can Be Made Fly-Free

DDT Still Number One Weapon, Tho Newer Chemicals Should Be Used By Dairymen

THERE are two questions that immediately arise when you think about fly-control. First, what about this hullaballoo on DDT? Second, what about flies being resistant to DDT?

For the answer to the first question, read the statement of the government's position on DDT, in "Research Points To Profits," on page 50. It will reassure you if you are worried.

In answer to the second, the chances are that DDT is still the Number One fly-killer for you. If it isn't, there are other effective chemicals.

For your own fly-control program, sanitation is the first important big step. Get the manure or the old stack-bottoms hauled. They make you more money out on the field, anyway. And keeping manure on the field removes fly-breeding places.

If you get rushed, and the manure has to pile up long enough for flies to breed (three or four days), sprinkle the pile with borax. Use an ounce of borax to a bushel of manure. Or toxaphene will give good results on fly larvae.

Then comes spraying with chemicals. Most farmers are familiar with DDT. You can use it anywhere except on dairy cows, dairy barns, separator or milk rooms, and so on.

If the federal Food and Drug Administration should happen to find a trace of DDT in a carload of butter shipped from your creamery, they will confiscate the butter.

So, for your dairy cows, use methoxychlor or methoxy-DDT. Another good insecticide which meets food and drug requirements for dairies is pyrethrum. This is most effective when it is fortified with piperonyl butoxide. It may be referred to as pyrenone fortified.

Whatever you do, use the insecticide straight. Don't mix any two insecticides. For example, if you have been using DDT alone, you can switch to another chemical when flies get resistant to DDT. But, if you have mixed chemicals, then you won't know what to switch to.

"We are doing all in our power to discourage the mixing of these chemicals because we know from tests that flies will develop definite resistance to the chemical being used in about two years," says Harold Gunderson, Iowa's extension entomologist.

If you have used nothing but DDT for fly-control for two years, you may want to switch to another chemical this spring. Or you can start with DDT at the first spraying and switch later in the summer.

"We consider flies resistant to DDT if live flies can be found on treated surfaces at dawn," says Gunderson.

As a change from DDT, chlordane is recommended. So is the improved, refined gamma isomer of BHC, or benzene hexachloride. Toxaphene is effective against flies, but is reported as slow in causing paralysis.

Plenty of chemicals are available. All will control flies, if you do your part and help eliminate fly-breeding places.

All should be used strictly according to the manufacturers' instructions.

In using the new methoxychlor on your dairy cows, the USDA recommends a one-half per cent solution. For buildings, a two and one-half per cent solution is recommended. Its use need not be restricted to dairy cattle and dairy barns.

Remember that any chemical that kills flies is a potential poison. Use it carefully. But don't be afraid to use it. After all, you still eat apples when they have been sprayed with poisons such as lead arsenate. Just follow the rules.

Kill Brush in pasture fence rows roadsides with new WEEDONE® Brush Killer 32

Contains the powerful 2,4,5-T and 2,4-D

The newest formula, by the originators of 2,4-D weed killers, kills Brambles (Raspberry, Blackberry, etc.), certain species of Oaks, as well as Osage Orange, Wild Rose, Poison Ivy, Poison Oak, and many other woody plants.

Clear brush from pasture and get a permanent stand of grass. Clear fence rows of brush that robs nearby crops of moisture and nutrients while giving shelter to harmful insects. Spray tree stumps to stop all regrowth.

WEEDONE BRUSH KILLER 32

- Greatly reduces annual cost of controlling woody plants.
- Kills a greater range of plants than either 2,4-D or 2,4,5-T used alone.
- Ready for mixing with water or oil.
- Concentrated for easy storing and handling.
- Non-corrosive; non-poisonous to livestock or humans; not a fire hazard.
- Does not kill grass.

FOR WEEDS IN CROPS USE

Weedone Concentrate 48. The original ethyl *ester* formulation with *3 lbs. 2,4-D* per gallon.

Weedar 64. An *amine* concentrate with *4 lbs. 2,4-D* per gallon.

Consult your dealer, or write to us for Brush Killer Bulletin

AMERICAN CHEMICAL PAINT COMPANY

Agricultural Chemicals Division

AMBLER, PA.

World's Number One 2,4-D Weed Killers Successfully Used on Millions of Acres Throughout the World

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SEEDING SOON?

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"TOMMIE FURROW"

MAKE EVERY SEED PAY OFF!

Just set the blade to proper seeding depth specified on each seed package, and pull TOMMIE FURROW along straight line. Result . . . a neat, even furrow that insures proper planting and full production from every seed.

After seed is sown, reverse TOMMIE FURROW so that wooden roller rests on trench. Pull tool along trench and let the roller refill trench smoothly and firmly. No bending; no straining! 4-foot handle lets you stand straight. Sturdy construction throughout.

only $1.88 plus 12c mailing money back guarantee

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U. S. SAVINGS BONDS ARE SAFE

Farm News Briefs

COMING EVENTS: May 10-11, Iowa bee-keepers' short course, Ames; June 20-24, Iowa 4-H girls' convention, Ames; June 27-30, Iowa 4-H boys' convention, Ames.

▲ ▲ ▲

EXTENSION DIRECTORS Dale Goodell, of Pocahontas county, Frank Hayden, Keokuk county, and Don Gardner, Guthrie county, have resigned. Gardner will go into the dairy business, Hayden will produce broilers, Goodell will join the extension staff of the University of Hawaii.

▲ ▲ ▲

JOHN BISHOP, vocational agriculture teacher at Panora, will become extension director for Guthrie county, Iowa, July 1, succeeding Don Gardner.

▲ ▲ ▲

NEW REA LOANS have been made to these Iowa co-ops: Monona county (Onawa), to serve 89 farms; Chariton Valley (Albia), to hook up 70 customers; Osceola county (Sibley), to add 80 farms.

▲ ▲ ▲

THE U. S.-MEXICO campaign to vaccinate Mexican cattle and other cloven-hoofed animals against foot-and-mouth disease is nearing the end of its first phase with 95 per cent of animals in infected areas vaccinated once. Campaign calls for three vaccinations of all animals within a year.

▲ ▲ ▲

IOWA DELEGATES to the National 4-H Club Camp, in Washington, June 15-23, are: Thelma Ann Ross, Grundy county; Ruth Fielding, Greene; Richard Thompson, Boone; David Williams, Page county.

▲ ▲ ▲

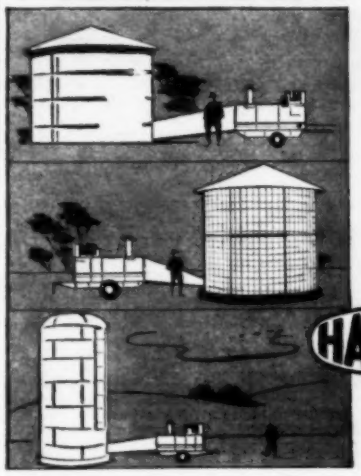
BURWELL BLOCK, Sac county, was named Iowa's Star Farmer for 1949 at the annual state convention of Future Farmers of America in Cedar Rapids. A member of the Sac City FFA chapter, Burwell was picked from 108 boys who received the Iowa Farmer degree.

▲ ▲ ▲

DON JORGENSON, member of the Lake City chapter in Calhoun county, is new president of the Iowa Future Farmers of America. Other officers are: Secretary, Wendell Body, Sac City (Sac county); reporter, Myron Miller, Charles City (Floyd); district vice-presidents, Clarence Cannon of West Union (Fayette), Bernard Maier of Eagle Grove (Wright), Larry Siddall of Laurens (Pocahontas), Eldon Stall of Waukee (Dallas), Bob Evans of Brooklyn (Poweshiek), Eugene Van Pelt of Corning (Adams).

"City feller. Has some plan for organizin' the workers."

"Our tests have been conclusive enough to recommend that every farmer have a crop drier . . ."—*Dr. H. J. Barre, Purdue University.*



1. Model 127 with small grain bin.
2. Model 136 with large drying crib.
3. Model 142 with large hay silo.

"JET-DRI" your ear corn, shell corn, small grain, hay, — for Profitable Storage, Maximum Prices!

HABCO is first again with GENERAL ELECTRIC JET BURNER and GENERAL ELECTRIC CONTROLS assuring you efficient, safe combustion for all crop drying needs. . . . HABCO's original highly efficient, safe "Straight Line Air Flow" heat exchange system now features ARMCO stainless and ARMCO aluminized steel throughout. . . . You can be sure — safe — money ahead—with HABCO all purpose crop drying equipment, designed to meet rigid USDA performance standards.

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Mail Coupon TODAY for full details and new, attractive prices!

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Please rush details, prices on
☐ HABCO "JET DRI" Crop Driers
☐ HABCO Approved Drying & Storage Cribs

Name.....

Address..... State .....

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V. A. Pierce, Pittsfield, Pike County, Illinois, feed dealer, shown at his desk discussing Pay-U Large Roundworm Expeller for Hogs. He thinks he holds some kind of a record because he's sold enough Pay-U to treat more than 10,000 pigs and hogs.

Dealer Rids 10,000 Pigs of Poisonous Roundworms

"If you want to get rid of large roundworms in pigs easy and fast," V. A. Pierce, jovial Pittsfield, Ill., feed dealer, advises his customers, "then mix Pay-U Large Roundworm Expeller with your feed.

"I ought to know, because I've sold enough of it to farmers right around Pittsfield to treat more than 10,000 pigs. And I've never seen anything like the way it gets those worms.

"I like to recommend Pay-U because it's so easy to use. You just mix it with their feed, or have your feed-mixer mix it for you. That's all you do. The pigs treat themselves. And you should see how they start putting on weight after they're free of those worms!"

The reason Pay-U gets 95 percent, or more, of large roundworms is that it contains sodium fluoride which is highly recommended as a hog worm expeller by U. S. Department of Agriculture scientists. In addition, Pay-U contains other ingredients—a gentle laxative that helps the expelling action, and blood-building minerals which help repair worm damage. If your dealer does not have Pay-U Large Roundworm Expeller for Hogs, write Pay-U Laboratories, Inc., Quincy, Ill.

1001 FARM JOBS DONE
EASIER . . . FASTER . . . CHEAPER
WITH THESE TWO GREAT
FARM IMPLEMENTS

PUT UP HAY THIS TIME, LABOR, MONEY-SAVING WAY

IMPROVED AUTOMATIC Jayhawk SWEEPS LOADS STACKS

All By Itself or Keeps Several Sweeprakes or Wagons Busy

- Sweeps from swath, windrow, bunch.
- Elevates to 21 feet . . . builds stacks 25 feet high.
- Feeds livestock, fills barns, hay sheds, has many other uses.
- Works with any tractor, truck or jeep.
- Attaches with one bolt in 2 minutes.
- Carries load on its own wheels, not on tractor.
- Works in wind and on rough ground.
- Won't upset tractor.
- Costs less to own, operate, maintain than any similar machine.

Your Choice of Hydraulic or Mechanical Operation

At Jayhawk dealers. Write direct for full details.

Leads the Field in Farm Proved Features of Design and Performance

NEW Jayhawk AMERICA'S BEST HYDRAULIC LOADER Buy!

Fits more than 55 Row Crop and Wide Tread Tractors. Others being Added.

- Simplified design.
- No frame work above tractor.
- Works anywhere a tractor will go.
- Tested to 2850 lbs.
- Attaches, detaches in 3 minutes.
- Has single oversized precision machined cylinder.
- Patented automatic load leveler permits capacity loads without spilling.
- 20-foot hay crane, 3-way bulldozer, sweeprake and snow scoop attachments at low cost.
- Lower priced than any comparable machine.
- No other loader has ALL these advantages.

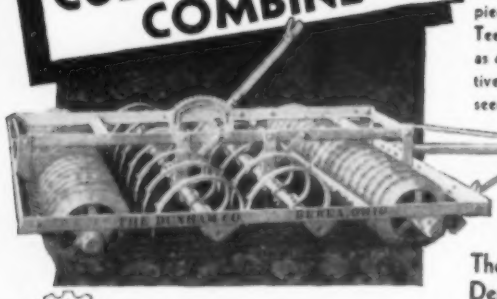
See your Jayhawk dealer. Write direct for full details.

BUY BOTH these specialized farm implements for little more than the cost of one combination machine.
FREE LITERATURE, low prices by return mail. Write today.

THE WYATT MFG. CO., Inc. Jayhawk Farm Implements Since 1903 791 5th St., Salina, Kansas

CULTIVATE on a COMBINE BASIS with the DUNHAM CULTI-MULCHER COMBINE

This TILLAGE COMBINE rolls, levels, harrows, stirs, pulverizes, cultivates, mulches, and gently packs in ONE OPERATION! Completely works, reworks, and triple works soil 6 to 7 inches deep. Equipped with the famous Dunham wedge-edge, one-piece wheels, and double spring teeth. Teeth may be raised and unit used as a straight Culti-Packer. Most effective tool obtainable for preparing all seed beds.



Write for complete data on its many time and money saving features.

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EST. 1846 THE DUNHAM CULTI-MULCHER

Dunham TILLAGE TOOLS

CULTI-HARROW • CULTI-HOE • CULTI-MULCHER COMBINE
CULTI-TREADER • CULTI-PACKER • CULTI-PULVERIZER

ORIGINAL ENDERES SPRAYING EQUIPMENT INCLUDES . . .

Portable Hand Boom . . 2 nozzles . . lever hand control valve . . 50 foot hose. For the control of thistle patch and spraying small weed patches, buildings and livestock.

Semi-rigid 28 inch nozzle extension with removable "V" nozzles . . sprays up for corn borers . . down for "between the row" weeds.

Original ENDERES Utility Sprayer

17, 20, 27 and 37 foot rigid angle iron booms...tractor or trailer mounted ...new filter eliminates nozzle clogging ...control unit operates from driver's seat..center or end sections operate independently and in any position.

At your dealers or write..... Original ENDERES Company GUTTENBERG, IOWA, U. S. A. Over 50 years of Service!

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead.

Wet Weather scene in Iowa: A trip to town for many folks means riding the tractor thru deep mud to nearest gravel or pavement where the car is left. Picture taken in Marion county.

In The Legislature

More State Aid For Schools

Iowa Assembly Adjourns After Increasing Education Funds By 10 Million Dollars

A WHOPPING big increase in state aid for local schools was okayed by the 1949 Iowa legislature before its final adjournment last month.

The assembly appropriated a total of $22,647,500 a year in aid for schools, a sizable boost over the $13,000,000 a year provided in 1947.

All friends of state aid for schools, including the State Education Association, the Iowa Farm Bureau and Governor Beardsley, were happy over the new total. But the money wasn't divided up exactly as each had asked.

Here's what the legislature did for schools:

1. Appropriated $12,000,000 per year in general aid, up from the present $7,375,000. This money, which goes to all districts on the same basis, will provide 17 cents per day for each grade school pupil in average daily attendance, instead of the present 11 cents per day; 20 cents instead of 14 cents per day for each high school student, and 25 cents per day instead of nothing per junior college student.

2. Increased supplemental aid, which goes to hard-pressed school districts only, from $1,000,000 to $2,000,000 a year.

3. Boosted the pupil transportation fund from $2,000,000 to $3,000,000 a year.

4. Appropriated $5,000,000 per year, instead of the present $2,000,000, for land tax credits. This is the money used to make refunds to farm land-owners who pay more than 15 mills in school taxes.

5. Provided money to pay transportation costs of 50 cents to $1 per day to the parents of school children who live more than one and one-eighth miles from a school bus route.

6. Raised the ceiling on tuition for pupils who attend school in another district. Under the old law, schools could charge only $17 a month for high school students from outside their districts, and $10 a month for grade pupils.

The new law provides that rates will be set by the state department of public instruction, which is expected to put the ceiling at $29 for high school pupils and $16 for elementary pupils. Parents of tuition pupils no longer will have to pay part of the cost.

The legislature also passed a law permitting school districts to increase levies if necessary to pay tuition of students going to other districts.

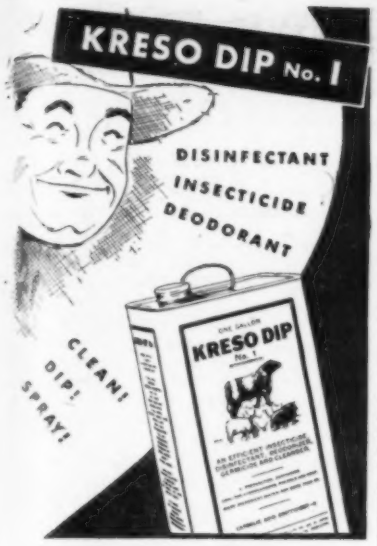
Another big accomplishment of the 1949 general assembly was its 20-year road-building program (see April 16 issue). A road fund of about $54,500,000 was set up, with 50 per cent ear-marked for secondary and farm-to-market roads, 42 per cent for primary roads, 8 per cent for city and town streets.

This $54,500,000, added to the estimated $33,500,000 a year available for roads from local property taxes and federal aid, will provide the $88,000,000 a year estimated to be necessary to put all Iowa roads in good shape within 20 years.

The state road fund represents an increase of more than $14,000,000 over previous appropriations. About one-half of this was obtained by transferring money from the state general fund, the other half by raising license fees on cars, trucks and farm trailers.

The legislature also said boards of supervisors could levy as much as 8 mills, instead of the present 5 mills, on property outside cities and towns for secondary road maintenance.

The schools and roads programs followed the legislature's first big job—providing for payment of the state soldiers' bonus. To do this without increasing property taxes, the assembly used half of the



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Clean up your farm buildings. Help prevent disease losses. Use Kreso Dip freely. It is low-cost. One pint in 12 gallons of water makes a reliable disinfectant. Rid your animals and poultry of lice, mites and fleas.

For many years a favorite disinfectant and insecticide, Kreso Dip continues to grow in popularity as the "all-purpose" standby on thousands of farms.

FREE: Write for illustrated booklet on Farm Sanitation.

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When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder. Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

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20" chain saw weighs only 45 lbs. costs only $389 ... other sizes to $429.

WRITE FOR CIRCULAR

POWER TOOLS, Inc. 1959 University Ave. St. Paul 4, Minn.

"My gosh! You put the picture window in the wrong wall."

$100,000,000 surplus in the state treasury.

Another $30,000,000 of the surplus was put into a stabilization fund for use when tax collections go down, with the other $20,000,000 left as a working balance.

It seems likely that part of this working balance will be needed to balance the state's budget during the next two years. Total annual appropriations by the 1949 legislature are about $99,000,000. Tax collections are expected to run about $92,000,000 a year.

Some other things the legislature did, which are of interest to farmers, included the following:

Kept the state income tax at the present 75 per cent rate.

Appropriated $250,000 a year in state aid for soil conservation districts.

Strengthened the state weed-control law.

Made it a misdemeanor to remove or change disease testing marks or tags on any animal.

Made it a misdemeanor to issue a false certificate of health for any animal.

Let die in the senate a house-passed bill which would have wiped out the law requiring advance notice of farm lease termination (see page 18).

Took no action on bill to increase county aid to Farm Bureaus.

Kept the one-cent-a-pound butterfat check-off during the first 15 days of June instead of extending it to the entire month.

Adjust Carburetor To Save Cash

You can save as much as $50 a year by adjusting your tractor carburetor properly.

That's the word of University of Illinois machinery men. Here's the way they say to do it:

After your tractor has been warmed up, put a load on it, then cut down the amount of fuel in the mixture until the engine starts to falter. Then open the jet a little until the engine runs smoothly.

The job takes only a few minutes. But it will save a lot of fuel.

Shipping Injuries Cost Money

Shipping losses cost American livestock farmers 25 million dollars a year, according to the University of Illinois.

Here are ways to cut down your part of that bill. Bed your truck with stone-free sand, to prevent slipping. Remove projecting nails and replace broken boards. Partition loads of mixed livestock. And prevent bruises by using canvas slappers or electric prods.

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☐ Complete list of Weeds and the effect of 2,4-D on each.

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PIONEER BRAND	1 GAL. CAN	5 GAL. DRUM	55 GAL. DRUM	SEND ME	COST PER GAL.
2,4-D WEED KILLERS Ester, 2.65 lb. 2,4-D acid per gal.	$6.15 per gal.	$5.65 per gal.	$5.55 per gal.	Gals. at	
Amine, 4 lbs. 2,4-D acid per gal.	$6.25 per gal.	$5.75 per gal.	$5.65 per gal.	Gals. at	
25% DDT Emulsion Concentrate	$2.95 per gal.	$2.75 per gal.	$2.45 per gal.	Gals. at	
47% Chlordane Emulsion	$6.95 per gal.	$6.50 per gal.	$6.25 per gal.	Gals. at	
5% Chlordane Dust (100 lb. and 200 lb. containers at $0.18 per lb.)				Lbs. at .18	
50% Chlordane Wettable Powder (25, 50 and 100 lb. containers at $0.85 per lb.)				Lbs. at .85	

All prices subject to change without notice. TOTAL AMOUNT $ _____

Cash, money order or check equalling 10% of the total order is required with order to insure acceptance of delivery. If payment in full accompanies order, a 5% discount on the total amount may be taken.

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Today LOUDENIZING pays greater dividends, yet costs less in farm products than ever before. And — year after year, Louden Equipment saves you time, labor, and feed—MAKES YOU MORE MONEY.

For your Barn Equipment needs, look to Louden and your Louden dealer. If you don't know his name, write us.

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HYDRAULIC LOADER
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Easy to attach or detach. Hydraulic control stops and starts loader any distance from ground.

Such Features as
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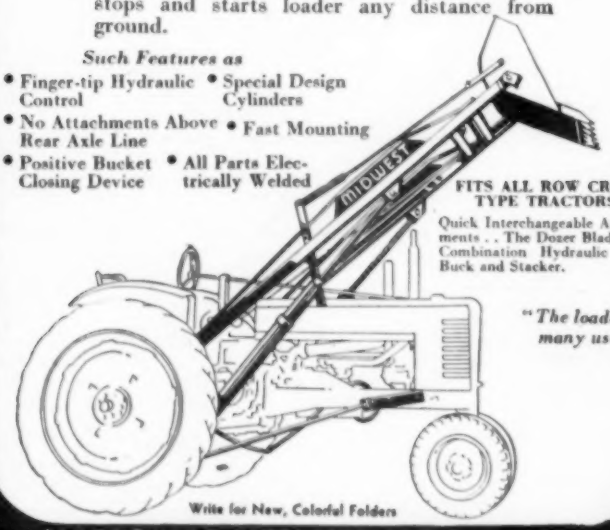

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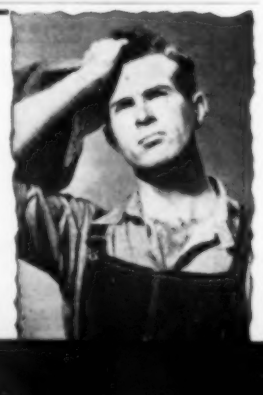


ALLIED MUTUAL CASUALTY COMPANY
Hubbell Bldg. Des Moines, Iowa

First Aid for Stock

Hogs Eat Bark From Trees

To the Editor: Our hogs are eating the bark off trees as far up as they can reach. They are self-fed a mineral and also a protein. — Mrs. C. E., Hardin County, Iowa.

Sometimes when hogs have a depraved appetite, they are suffering from a deficiency of some of the rare minerals, such as iodine, barium or cobalt.

Try mixing one-half ounce of cobalt carbonate or one ounce of cobalt sulphate with the minerals you are now feeding. It might be good to use iodized salt instead of plain salt.

Fall Calves Chew On Boards

To the Editor: I have five fall dairy calves, from two to four months old, that seem to have a craving for something. They continually chew at the boards of their pen. — P. J., Steele County, Minnesota.

There are several causes for animals developing a depraved appetite. In the dairy cow and calf, most of the time it seems to be caused by a lack of phosphorus.

First, try giving them bonemeal alone as a mineral. Let them have a considerable amount without the other minerals. Also add iodized salt to your ration.

It is also possible that the trouble comes from a lack of one of the rare minerals. This is sometimes corrected by adding an ounce of cobalt sulphate to a hundred pounds of the mineral and mixing it in thoroly. You can get this at most drug stores.

Has Trouble With Insemination

To the Editor: I have tried artificial breeding for my herd for two years, but went back to a bull. Why couldn't we get calves by artificial breeding?—W. J., Woodbury County, Iowa.

Artificial insemination is here to stay, but, like any new project, it needs to be understood by its users. Even under the best conditions, probably not more than 70 to 80 per cent of the cows are successfully settled with the first service.

Such records as have been kept indicate that natural service averages about two services for each calf obtained.

Why doesn't artificial insemination succeed in some herds? There may be several reasons: Failure to inseminate the cow at the proper time in the heat period; poor handling of semen after it is collected, or failure of the operator to place the semen in the uterine canal. There may be other reasons.

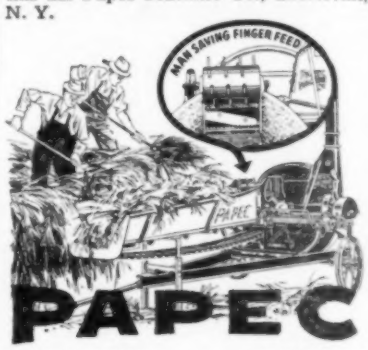
You and your veterinarian can find out by a little study why you had poor luck. Once this is corrected, artificial insemination will work for you.

PAPEC
THE ALL-PURPOSE ENSILAGE CUTTER

Row crop silage! Chopped hay! Grass silage! Chopped straw! They're all the same to a Papec Hay Chopper-Silo Filler. It handles all of them faster, easier and cheaper than any ordinary cutter.

The Papec man-saving finger feed roll is the answer. It handles whole hay and straw faster than ordinary cutters handle corn. And no one works at the feed table. Papec elevates without clogging, runs easier, lasts longer.

Ask your Papec dealer for NEW booklet on how to make better feed from all forage crops, or send name on margin of this ad. Papec Machine Co., Shortsville, N. Y.



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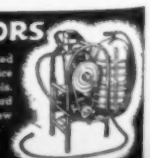

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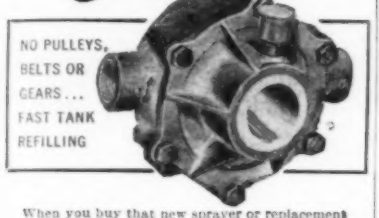

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The Economical New
FARM - ROD
Cleans Field Tile of Roots, Mud and Other Debris.
Runs by HAND POWER
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Cleans tile 3" or larger in diameter. Comes in handy, easy to use 25-foot sections which will clean from 5 ft. up to several hundred feet from one opening. Don't wait 'til growing season. Do it now. Write for FREE folder. Give full particulars.
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SAVE LIVESTOCK AND POULTRY

from disease, including necro and scours. Get livestock back on feed on two days' treatment with Doc Hagedorn's Medicine. $5.00 qt., $17 gal.

WILLIAM HAGEDORN, Manning, Iowa.

Washington Wire

Fight On "Production Payments"

Brannan Asks Law To Permit Him To Pay Farmers If Hog Price Drops

WASHINGTON, D. C. — The Brannan farm program is headed toward a tough fight in congress. Republicans seem to be lining up against it, altho Representative Hope, of Kansas, appears to approve some of its features.

Farm Bureau and Grange object strongly to the "production payment" plan. Under this plan, the market price of meats, dairy products, etc., would be allowed to fall. The farmer would be paid, in cash, the difference between the market price and the support price.

Bureau, Grange and some farm bloc members in congress insist that federal farm programs should try to hold the market price at the support level. Let the farmer get all his return at the market place.

But Secretary Brannan warns that it will take heavy government expenditures in buying meat, eggs and dairy products to keep market prices up. And he doubts whether such methods will give the farmer the support price promised.

Brannan is pointing out the heavy cost of the potato program. Consumers have been irritated at the whole farm program by expenditures on potatoes, he says. And he claims that tax-payers will not stand for federal buying to take pork off the market, because such a program hits the average man twice: It keeps up prices on pork and hurts him as a consumer; it involves heavy federal costs and hurts him as a tax-payer.

Brannan says his plan is less restrictive because it encourages consumption, production.

According to Brannan, it will cost no more to pay farmers direct thru "production payments," while this method will insure support prices to farmers and will at the same time give consumers cheaper meat.

What will the Brannan program cost? The secretary hasn't given congress much help on this. He says it depends on industrial employment, weather and a lot of other things.

Critics point out that cost figures will turn on how high the support is. If support prices are moderate, costs to the government — in good times — may not be heavy.

Kline of Farm Bureau says more controls than ever would be put on farmer by Brannan plan.

With support prices at the high levels indicated by the first draft of the Brannan plan, costs could run heavy even in good times.

Will farmers be "regimented" under the Brannan plan. Allan Kline, of the Farm Bureau, thinks the Brannan program will lead to more rigid controls than farmers want.

Brannan disagrees. He says: "It is less restrictive than any plan so far enacted because it offers greater encouragement to abundant consumption and production of farm products."

What he apparently means is that the lower prices on the market will lead to bigger consumption of meat, milk, etc. This might mean that more corn can go into livestock production, and there would be less need of production controls on corn.

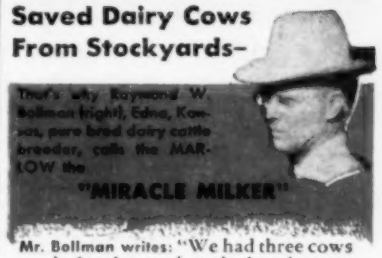
The Brannan argument may not work so well on wheat, cotton and tobacco. Very strict controls may be needed there to keep production down, in view of the stimulus of the high prices promised under new supports.

What chance has the new plan? Not so good in this session of congress. But congress may give Brannan authority to try out production payments to support farm returns on hogs.

A bill to permit such payments will get some Republican support. Corn belt farmers are uneasy about shaky hog prices, and may be willing to try out this part of the Brannan plan.

MARLOW MILKER

Saved Dairy Cows From Stockyards–



Mr. Bollman writes: "We had three cows ready for the stockyards, but they are not going now, thanks to MARLOW. The MARLOW has definitely lowered our bacteria count. I truly believe that every dairyman can eliminate all of his udder troubles with a MARLOW MILKER."

Bollman Dora Ormsby Lad, one of prize Holstein cows in Bollman pure bred herd milked with MARLOW MILKERS, has a 2x record of 610 fat.

"No Trace of Mastitis"

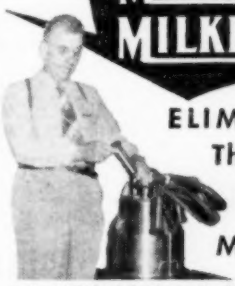
Carl P. Hinn, Excelsior Springs, Mo., writes: "Several cows that we had to use hobbles on before are now milking without hobbles. We have had *no trace of mastitis since installing the MARLOW.*" (Mr. Hinn's herd, all milked with MARLOWS, includes Verna B. B. No. 82884, holder of World's Record as a 3-year-old.)

"Cows Respond Better"

Glenn P. Kingsley, Green Fields, Rossville, Ga., writes: "The MARLOW MILKER is getting the milk very rapidly. The cows respond to it much better than any other machine I have ever used." (Sir's Standard Bright Beauty, National Dairy Show Grand Champion Jersey in 1940 and winner of her class 3 years, is one of Green Fields' cows milked with the MARLOW.)

These MARLOW users are among the thousands who have proved on their own herds that

MARLOW MILKERS



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Homemaking Department

Edited by **ZOE MURPHY**

It's not too early to make your plans for this year's canning. Mrs. James Witherspoon, of Polk county, Iowa, canned 250 quarts of fruit for her family last year. She plans to can an equal amount this year.

Canning Takes Planning

GOODNESS! It's canning time again. It just seems a matter of weeks since you put the last of the fall garden into jars and lugged them thankfully down to the fruit room.

But the months have rolled around, and the empty shelves in the fruit room are yawning to be filled.

It's asparagus and rhubarb now, strawberries next, and then peas, and so on thru the summer. Once you get started, there's hardly a breathing space ahead.

What can be done right now to get ready for the canning season ahead? In the first place, let's check the jars—see that there are enough on hand for this season's canning. Discard any jars that have even the slightest nick or crack. If you don't have enough good ones, buy them now.

What kind of lids are you going to use? There are new stocks in the stores now, so why not buy up the supplies necessary for the season? There is nothing worse than running short of jar lids on a busy canning day.

What about the gauge on your pressure cooker? Is the rubber gasket keeping the steam in? Nearly every county that has a county extension home economist has a pressure cooker clinic each spring. You are urged to attend these meetings and bring your pressure cooker with you.

At these clinics you will be able to have your gauge checked for accuracy as well as having the entire cooker checked for safety.

But don't send the whole cooker back to the manufacturer to have it tested, if you want it returned in time for your early canning.

It's a good idea to get your season's supply of paraffin for jam or jelly, as well as an ample supply of fruit pectin, either the dry or liquid preparation.

Be sure that you have a big canning kettle and at least two sharp stainless-steel paring knives.

Peas and asparagus are both non-acid vegetables, and for that reason require careful handling and timing. One important item for the successful canning of all fruit and vegetables is to make the time from the garden to the jar just as short as possible.

Use only the very best vegetables for canning. It certainly doesn't pay to spend the time and the work to process inferior products.

Wash the stocks of asparagus carefully. Cut off the scales with a sharp knife. Precook in boiling water for two or three minutes. Put the rack in the bottom of your pressure cooker, and follow the directions for processing. Test each jar as you take it from the cooker.

Peas take the same careful preparation. Wash the pods before shelling. This cuts down the bacteria that causes much spoilage. Don't shell any more peas than you can process at one time. It is safest to can peas in pint jars only. Process them according to the directions that come with your pressure cooker.

RHUBARB SAUCE

Any variety of rhubarb is delicious when it is canned, but the strawberry type is particularly colorful. Wash the stocks thoroly and cut them into one-inch lengths. For six pounds of rhubarb, use four cups of sugar. Place the sugar and rhubarb in layers in a shallow pan, and let them stand for two hours.

Then heat the mixture slowly, just until it begins to boil. Watch out for scorching. Then allow it to stand for three or four hours more. This will prevent the fruit from floating in the jars. Lift the rhubarb out of the syrup with a slotted spoon and drop into hot sterilized jars. Heat the syrup to boiling point and pour over the rhubarb, filling the jars to one-half inch from the top. Seal.

Rhubarb and sugar may be packed into the jars without standing for a second time. Seal and process for five minutes at 10 pounds pressure.

BRIGHT RED STRAWBERRY PRESERVES

Arrange three cups of strawberries in the shape of a cone and pour over them three cups of sugar. Heat slowly until the juice has formed. Increase the heat, and boil rapidly for eight minutes. Then pour into a shallow pan. Place the berries in the sunshine. Fold over and over until cool. Put into glasses and cover with hot paraffin. These are sometimes called "Sunshine Preserves."

STRAWBERRY AND RHUBARB JELLY

Cut about one pound of fully ripe rhubarb into one-inch pieces and put thru a food chopper. Crush thoroly two pounds of fully ripe strawberries that have been carefully washed and trimmed.

Combine the fruits and place in a jelly bag and squeeze out the juice. Measure eight cups of sugar and four cups of juice in a large saucepan and mix well. Bring to a boil over a hot fire and add one bottle of fruit pectin.

Bring to a full rolling boil, and boil hard for a half-minute. Remove from the fire, skim, and pour at once into sterilized glasses.

A New Way to Make Better Bread-Quicker, Easier!

Perfected for Use With Robin Hood Flour

Recipe by Rita Martin

ROBIN HOOD White Bread

¼ cup sugar
4 cups lukewarm liquid (if milk is used, scald and cool to lukewarm)
12-12½ cups sifted ROBIN HOOD ENRICHED FLOUR
2 cakes comp. yeast or 2 packages dry granular yeast
3 tbsp. lukewarm water
¼ cup shortening, melted, cooled
2 tbsp. salt

ADD—sugar and salt to liquid; let yeast stand 5 min. in lukewarm water.

BEAT—2 cups flour into liquid mixture using rotary beater; add yeast mixture and beat again.

ADD—4 cups flour, beat until smooth; then mix in shortening. Stir in remaining flour, mix thoroughly; turn onto lightly floured board, cover and let rest about 10 min.

KNEAD—until smooth and satiny (about 5 minutes).

ROUND UP—dough, place in a large greased bowl. Cover with damp cloth, set in warm place (85° F.) and let rise until double (about 1½-2 hrs.)

PUNCH DOWN—and let rise again until nearly double. (May omit this 2nd rising to save time.)

CUT—dough in 4 equal parts, round up, cover and let rest about 10 min. on lightly floured board.

*SHAPE—into loaves and place in well greased bread pans. (See easy illustrated method below).

COVER—lightly and set in a warm place, allowing dough to rise until sides reach top of pan and corners are filled (about 1½ hours). Dough should feel light to the touch.

BAKE—in moderately hot oven, 375° F., about 50 minutes.

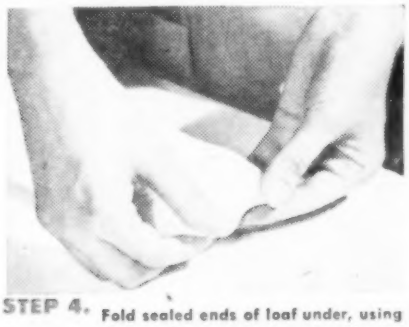
YIELD—4 Loaves.

*Use new Robin Hood "Rolled Dough" Method for shaping perfect loaves of better bread

STEP 1. With rolling pin, roll dough out to uniform thickness, stretching by hand to form rectangle approximately 9" x 12". Make certain to break down all gas bubbles in the outer edge of the dough.

STEP 2. From upper edge, roll dough toward you, jelly roll fashion, sealing dough with heel of hand after each roll of dough. (About four turns will bring you to last seal). Be sure to seal final seam on bottom of loaf.

STEP 3. Seal ends of the loaf by using the side of the hand to get thin sealed strip.



STEP 4. Fold sealed ends of loaf under, using fingers, as shown above. Avoid tearing dough.

STEP 5. Place shaped loaf, with seam side down, in well greased bread pan.

STEP 6. Proceed in usual way for raising and baking . . . for a perfect loaf every time!

9 out of 10 women say new Robin Hood "Rolled Dough" method gives finest bread they ever baked

● Now! Home bread baking easier than ever before—with never-fail results!

9 out of 10 women who have tried and tested this new, amazingly simple Robin Hood "Rolled Dough" Method in their own kitchens say just that. Women who bake bread several times a week—women who had never baked bread before—all agree that this new Robin Hood "Rolled Dough" Method is easy, gives a perfect loaf every time.

With this new method you get a loaf of bread that's bigger—looks better—tastes better than any other home-baked bread. No large holes in the center of the loaf—the texture is tender and even, the loaves uniformly high and well rounded.

The Robin Hood "Rolled Dough" Method was originated, developed and perfected by Rita Martin, famous home economist, for use with Robin Hood Flour. *You cannot get the same perfect results with any other flour.* Only Robin Hood Flour and the Robin Hood "Rolled Dough" Method together can produce such large, uniform loaves. That's because Robin Hood is different—it's milled from the finest selected wheats by an exclusive milling process to make your baking easy and successful.

Use the recipe for Robin Hood White Bread on this page—follow the easy step-by-step Robin Hood "Rolled Dough" Method—and we *guarantee* you will make the finest loaf of bread you have ever baked.

Get Robin Hood Flour from your grocer right away and try this new way to make better bread.

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"America's Fastest Growing Flour"

Attractive Dresses For Summer

No. 8392—Simple yet extremely smart for juniors. Has keyhole neckline and buttons in rows. Sizes 11, 12, 13, 14, 16 and 18.

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No. 8434—Designed to flatter the larger figure is this lovely afternoon dress. Add a flower bouquet or favorite jewelry. Comes in sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

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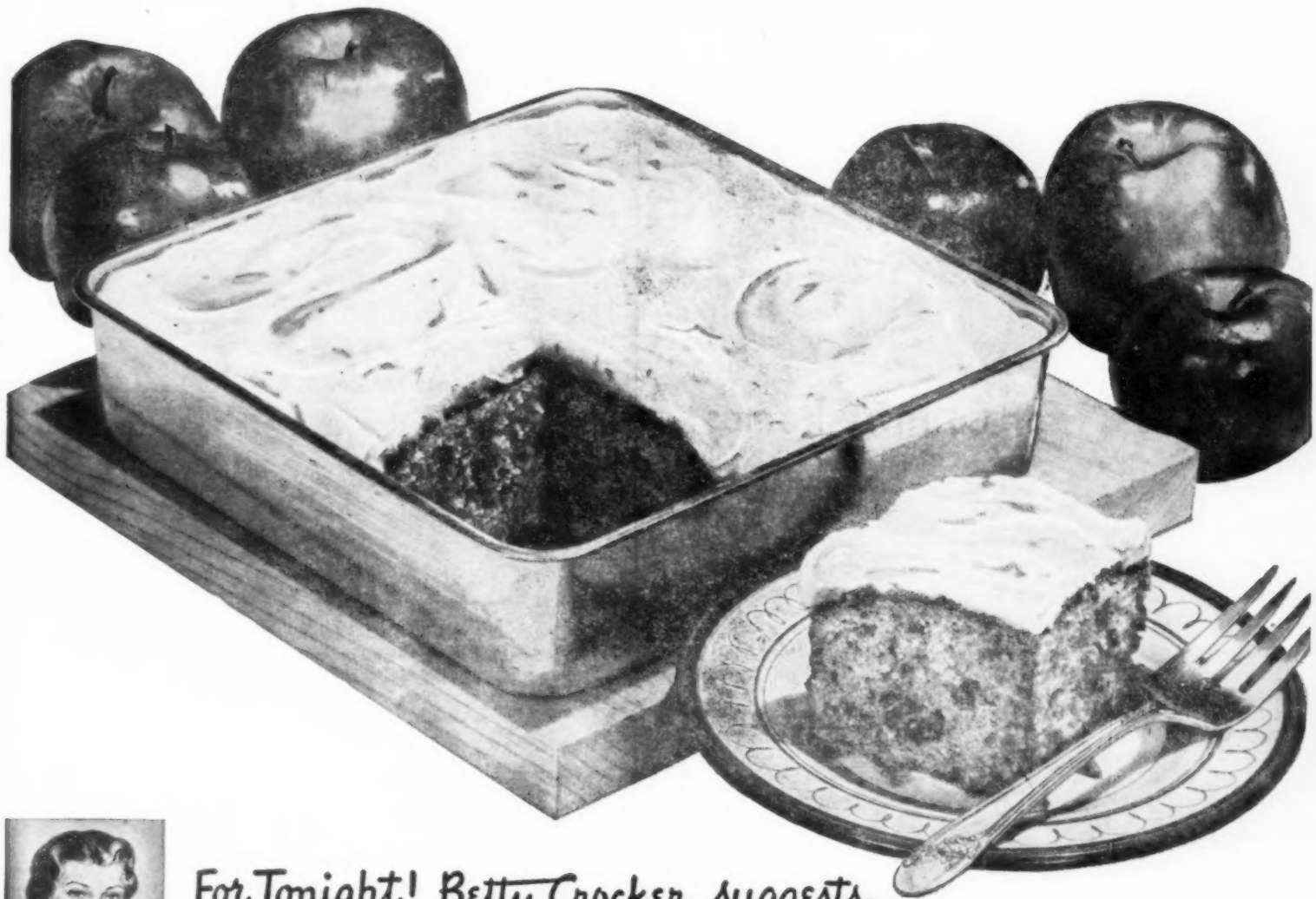
No. 1893—All she needs for hot weather. A darling pinafore with panties to match. Sizes 2, 4, 6, 8, 10 years.

No. 8445—School dress and bonnet and brief sun-suit, for your little cherub. Sizes 2, 3, 4, 5, 6 and 8 years.

Patterns are 25c each, in coin or stamps—coin preferred. New Spring and Summer FASHION is also 25c. Full of useful suggestions for the farm homemaker. Send orders to Pattern Dept., Wallaces' Farmer and Iowa Homestead, Des Moines. CAUTION—Give your name and address.



For Tonight! Betty Crocker suggests—

Delicious Double-Quick Applesauce Cake

4 EASY STEPS . . . 4 MINUTES TO MIX!

Here's all you do: SIFT dry ingredients into bowl. Measure accurately (level). ADD shortening and liquids to dry ingredients. BEAT with spoon or mix with electric mixer for 2 minutes. SCRAPE bowl constantly (see recipe). ADD eggs. Continue beating 2 more minutes. Pour into prepared pan and bake.

It's as simple as that—and for perfect results with this delicious old-time favorite just remember this: Use Gold Medal *"Kitchen-tested"* Enriched Flour with the Betty Crocker recipe at right. For Gold Medal Flour never varies, its baking qualities are always the same . . . always superb. Gold Medal Flour offers remarkable uniformity. That's why Gold Medal is good for everything you bake—and everything you bake with Gold Medal is good!

Get Gold Medal all-purpose flour today. It comes in big, thrifty, family-size sacks of 25, 50 and 100 pounds. Each sack contains a Betty Crocker recipe for wonderful bread. Also cakes, pies, cookies and casserole dishes *and* a valuable silverware coupon. Higher value coupons come in the larger sacks. Ask for Gold Medal this time and everytime.

General Mills

BETTY CROCKER APPLESAUCE CAKE

FOR SUCCESS—DO THESE FIRST:

1. Have *all* ingredients room temperature.
2. *Preheat* oven to 350° (moderate).
3. Grease *generously* and dust with flour 1 square pan, 9x9x2 inch.
4. Measure *level* for accuracy with standard measuring cups and spoons.
5. *Sift* GOLD MEDAL *"Kitchen-tested"* Flour, then spoon *lightly* into cup and level off. *Do not pack.*

SIFT together into bowl . . . .
- **1⅔ cups *sifted* GOLD MEDAL Flour**
- **1⅓ cups sugar**
- ***¼ tsp. double-action baking powder**
- ***1 tsp. soda**
- ***¾ tsp. salt**
- **½ tsp. cinnamon**
- **¼ tsp. cloves**
- **¼ tsp. allspice**

ADD . . . . .
- ****⅓ cup high grade shortening**
- **⅓ cup water**
- **⅓ cup chopped nuts**
- **⅔ cup raisins**
- **1 cup thick unsweetened applesauce**

BEAT vigorously with spoon for 2 minutes (about 150 strokes per minute). You may rest a moment when beating by hand; just count beating time or strokes. *Or,* mix with electric mixer on *medium* speed for 2 minutes. Scrape sides and bottom of bowl constantly.

ADD . . . . . ¼ to ⅓ cup unbeaten egg (1 large)

CONTINUE BEATING 2 more minutes, scraping bowl constantly. Pour batter into prepared pan.

BAKE *50 to 55 minutes* in *moderate oven* (350°). Cool in pan and frost with Fluffy Orange Icing (recipe below).

*If you use Self-Rising Flour (sold in parts of the South), omit baking powder and salt. Reduce soda to ½ tsp.

**Such as Crisco, Spry, Swift'ning, or Snowdrift.

FLUFFY ORANGE ICING . . . CREAM *one 3-oz. pkg. cream cheese* until light and fluffy. Gradually add 1½ *cups sifted confectioners' sugar.* Beat well. Stir in *grated rind of 1 orange* (1 tbsp.). If too thick to spread, add a few drops of orange juice.

"Betty Crocker" and "*Kitchen-tested*" are Reg. Trade Marks of General Mills

Gold Medal makes wonderful Bread!

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Farm Folks Remodel Old House

Mr. And Mrs. Ervin Crouse Make Over A 75-Year-Old House In Boone County, Iowa

The old house was remodeled gradually. Now it looks brand-new. The first thing that Mr. Crouse did was to put the house on a new foundation. This modern kitchen was formerly a bedroom. Mr. Crouse and Jimmy and Judy are waiting for their lunch in the attractive breakfast nook. There is a utility room off the kitchen.

The members of the family spend the evening in their comfortable living-room. A fireplace has been added to the room. There are four rooms and a bath downstairs, and four rooms upstairs. The house is heated with an oil-burner.

The bathroom is spacious and comfortable. It was formerly a bedroom—10x10. Mr. Crouse put in water in 1946. Now they have a hot water heater and a softener. The dressing-table at which Judy sits was made to order according to Mrs. Crouse's plans.

Sandra and Karen are mighty proud of their two-week-old brother. They are children of Mr. and Mrs. C. G. Hostettler, Story county, Iowa.

COOKERY CORNER

DOUBLE DATERS

1¾ cups brown sugar
1 cup shortening
¾ cup sour milk
1 level teaspoon soda
2 cups oatmeal (ground)
2 cups flour
Filling—
1 cup dates
1 cup sugar
1 cup water
Boil filling until thick; cool

Mix cooky ingredients in order given (creaming sugar and shortening). Roll, then cut in rounds or any desired shape. Spread filling on half of cookies, then place another cooky on top of each and pinch edges together. Bake in a moderately hot oven.—Mrs. T. R. Phalen, Cerro Gordo County, Iowa.

MAHOGANY CAKE

1 cup thick, sour cream
2 cups sugar
4 eggs
2½ cups flour
2 level teaspoons soda
1 heaping teaspoon baking powder
½ cup cocoa dissolved in
1 cup boiling water
1 teaspoon vanilla
½ teaspoon salt

Beat eggs. Add sugar and cream. Next the flour, baking powder and salt, sifted together. Mix well. Next add dissolved cocoa, which has been cooled, and lastly the soda, which has been dissolved in vanilla. Bake in a moderate oven for about an hour. This can be cut in squares and served with whipped cream.—Mrs. Herbert Andrews, Buena Vista County, Iowa.

TAPIOCA PUDDING

Scald one and one-half cups of milk in top part of a double boiler and stir in the yolks of two eggs beaten up with one-half cup cold milk and one-third cup sugar. Add one-fourth cup quick-cooking tapioca and let this cook until a thin custard is formed. Flavor with one teaspoon coconut flavoring and pour into a shallow baking dish. While the mixture cools, beat the two egg whites till stiff, with two tablespoons granulated sugar, and float big tablespoons of meringue on top of pudding. Brown slowly at 325 degrees. To be eaten later, chilled, and garnished with clear grape jelly.—Mrs. Dan E. Miller, Washington County, Iowa.

CREAM PIE

2 cups milk
3 eggs
4 tablespoons cornstarch
2 tablespoons butter
1 pint whipping cream
1 cup sugar
2 teaspoons vanilla

Heat milk, one-half cup sugar and the butter in double boiler to the boiling point. Mix one-half cup sugar, cornstarch and beaten eggs, and add to boiling liquid. Cook until smooth and thick, stirring frequently. Cool. Whip cream and fold half of it into the cooled mixture. Pour into baked pastry shell. Top with remainder of whipped cream. Sprinkle bitter grated chocolate on top.—Mrs. Lloyd Hahn, Polk County, Nebraska.

MACARONI AND HAM CASSEROLE

1 cup elbow macaroni
½ cup cubed ham
For Sauce—
2 tablespoons butter
2 tablespoons flour
1 cup hot milk
½ teaspoon salt
Dash of pepper
1 cup American cheese, cut fine

Boil the macaroni in salted water until tender. While this cooks, prepare sauce. Melt butter over low heat. Add flour and blend well. Add milk slowly, stirring constantly. Season with salt and pepper. Cook until smooth, continuing to stir, then add the grated or cut cheese and cook until all the cheese is melted and well blended with sauce. When the macaroni is tender, drain in colander. Rinse by running hot water thru this; drain again. Place the macaroni in greased casserole. Add ham, cut in half-inch pieces. Pour cheese sauce over the mixture and combine thoroly. Place in a 350-degree oven for 15 minutes, or until the top is slightly brown. Serves about four.—Mrs. J. N., Linn County, Iowa.

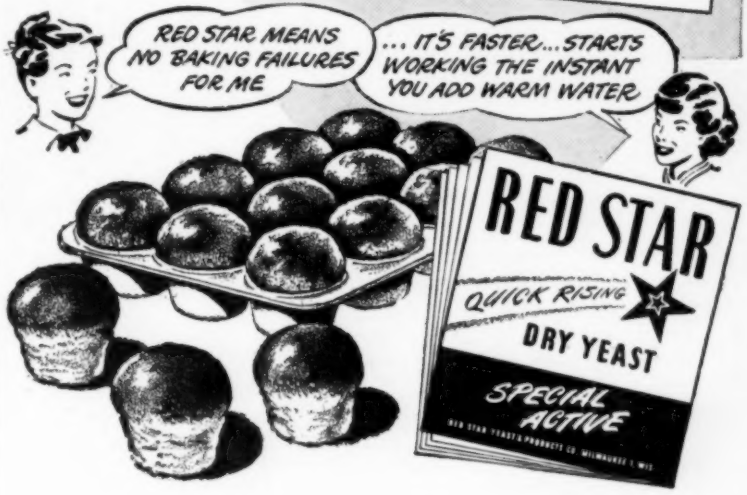
SAVE PRECIOUS KITCHEN TIME WITH RED STAR Special Active DRY YEAST

Red Star is the yeast for busy housewives—it's faster. It keeps without refrigeration. Buy a month's supply, and store it on the shelf with other baking ingredients.

30 MINUTE ROLLS

2 packages Red Star Special Active Dry Yeast
1½ cups warm water (105° to 110° F.)
¼ cup sugar
1½ teaspoons salt
1 egg
3 cups sifted all purpose flour
2 tablespoons shortening, melted and cooled to lukewarm

Step 1: Dissolve yeast in warm water (105° to 110° F.) in large mixing bowl. **Step 2:** Add sugar, salt, and unbeaten egg. Add flour gradually. Beat well with electric mixer on low or medium speed, or by hand with large wooden spoon. Add shortening, beating until thoroughly mixed. **Step 3:** Spoon dough into well greased muffin pans, filling about one-third full. **Step 4:** Let rise in warm place (90° to 95° F.) until dough has risen level with top of muffin pans (about 25 to 30 minutes). **Step 5:** Bake in moderately hot oven (375° to 400° F.) 20 min. **Step 6:** Remove from pans and serve warm. Yields 18 to 24 rolls.



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Says Mrs. Thomas Guyford

"I'm honestly amazed at how the improved Hi-lex gets right down into even the finest weaves and works out the grease, dirt and discoloring in my white as well as fast-color washables.

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"Just follow the simple directions on the label and see how easy and effective the new ingredient "X" has made Hi-lex. It's more economical—just a little does so much more!"

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Sensational introductory offer! Send snapshot or negative, this ad, and 10c. We'll send you a beautiful 7x5" enlargement! Or, Kodak roll developed and printed (with free coupon) only 25c; or 8 giant prints from roll, 30c. Reprints from negatives—any quantity—regular size, 3c; Giant size, 4c. Satisfaction guaranteed. Immediate delivery. No delay. Write for Free Mailers. Free Premium offers.
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GERANIUMS 2 DOZEN PLANTS POSTPAID $2.00
These are strong young plants that will be found very satisfactory for planting in the yards or garden. PLANTS ARE READY FOR DELIVERY APRIL 15th to JUNE 15th. Any color or mixed.
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Rainbow Mix Glads, large flowering varieties, 100 bulbs over 1¼" in diameter for $2; 100 medium bulbs for $1; 200 small, over ½" in diameter for $1. Prepaid.
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Rip-Proof SOCKS!

You can't rip the tops of New Rockford Work Socks! From toe to top, these streamlined socks are knit-to-fit in one complete unit without seams. The rib top being knit on, there is no stitching or looping to break . . . less mending for the women folks.

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Open Every Day Of Year. Write for Free Illustrated Guide Booklet

"Goodbye to COFFEE NERVES"

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SCIENTIFIC FACTS: Both coffee and tea contain caffein—a *drug*—a *nerve stimulant*. So, while many people can drink coffee or tea without ill-effect—others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffein—*nothing that can possibly cause nervousness, indigestion, sleeplessness.*

MAKE THIS TEST: Buy INSTANT POSTUM today—drink it exclusively for 30 days—*judge by results!* . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

Buy a Bond Today!

Two birds with one call

It was 7 A.M. and Hazy Dazy's telephone rang. Half asleep, she jumped out of bed, ran downstairs to answer before the ringing stopped.

"Hello, Hazy?" said the voice at the other end. "I know you like to sleep late on Sunday, but honest, dear, I just couldn't wait to tell you about a wonderful new hot cereal I'm making this morning. And so quick and easy! Only 3½ minutes!"

"Oh," answered Hazy, "you must be talking about that delicious hot Grape-Nuts Wheat-Meal. We've been eating it every morning for years!"

"You do know about it then, Hazy!" added the caller. "Oh, I'm so awfully sorry now I woke you up."

"That's perfectly all right," replied Hazy. "I had to get up to answer the phone anyway."

Adv.

Three Prints Each 8-Exposure Roll, 40c
Two Each 35c. One each 25c. Reprints 3c.
L. I. EASTMAN - - - - BODE, IOWA

COUNTRY AIR

By ELIZABETH C. WHERRY

NOW I'm even with practically every other family in the country. We have a GI student son who's married and going to live in a college barracks.

* * *

I feel like the woman who said: "Little Willie doesn't seem like the same boy since he's been to war and gone to college and got married."

* * *

Richard, the irresponsible, who on December 24 used to say: "Let's see—tomorrow's Christmas, ain't it? Where we goin' for Christmas this year?" has taken on the responsibility of a wife and a GI home.

* * *

If I had ever thought he would take on matrimony with that same gay irresponsibility, I had another think coming. For weeks beforehand, he made out lists of duties, clothes, trips, things and time charts.

* * *

To get the bridal party together just naturally required lists. With the bride teaching in one place in Illinois, her home in another and the church in still another, and Rich in college in Iowa with only a brief spring vacation for a honeymoon — it all took a lot of close planning.

* * *

Then to draw in a bridal party scattered on spring vacation and a college choir trip, a vocalist from Chicago, ushers from east and west, and family members from various points—well, the "Where we goin' for Christmas this year" policy just wouldn't suffice. Lists were a necessity.

* * *

Which same lists I hope the bride and groom paste in their wedding record as a memento of monumental planning.

* * *

They even had to invoke the city police and a drunken locksmith when one of the fellows left his suitcase key in Chicago, only to discover after a new key was filed that he had the duplicate in his billfold.

* * *

For an outfit of assured, poised young men, I never saw so many Adam's apples move uncertainly up and down.

* * *

The groom tried to gain composure by winking at his mother, the bride's grandmother—even the bride herself as she came down the aisle.

The handsome, overworked best man looked just plain concerned, and the singer admitted he never was so scared in his life. Could be, because it was the pre-vue for them—they're both contemplating matrimony in the near future.

* * *

There was the soft rustle of pastel taffetas and a sweet, serious advance to the altar. The rays of thin spring sunlight thru stained glass windows streamed across their path.

* * *

Then suddenly we were standing in the reception line, greeting people by the wrong names and mispronouncing others.

* * *

Next thing we knew, we were craning our necks to get a glimpse of the bride in her smart traveling suit and gasping over the neat getaway that left the young people with their hands still full of rice.

* * *

Quick as that, and I had another daughter—a proper family now—two sons and two daughters.

* * *

Much as I don't quite see how they're going to manage barracks living, they can, if others do it so happily.

* * *

I'd probably feel defrauded in the future if I couldn't look back upon a married veteran student lugging a bag of groceries and a notebook into a barracks instead of leaping off the terrace of a dormitory to swagger off to a test he had never even crammed for.

* * *

I had dreaded the walk alone down the aisle. When Son John was married, the man of the house was with me. Just how was I going to manage without him, I wondered.

* * *

But recently I've happened to be with a glee club group of young women who spent many hours working on Rogers and Hammerstein's "You'll Never Walk Alone":

* * *

"When you walk thru a storm, keep your chin up high . . . tho your dreams be tossed and torn, Walk on, walk on, with hope in your heart, and you'll never walk alone."

* * *

Well, I didn't. I seemed to hear those girls singing as I was ushered down the aisle.

* * *

You never walk alone!

THE FARM FLOCK

Clover makes first-class range for young birds on the Robert Buol farm, Linn county, Iowa. Clean-ground system of raising them lowers disease losses, cuts feed costs and makes better layers.

240-Egg Average For Four Years

Record-Keeping Plus High Efficiency Bring Net Poultry Income Of $1,771.79

HOW would you like to have had an average production of 240 eggs per hen—for the last four years?

That's the enviable record of E. J. Schmuecker's poultry flock in Iowa county, Iowa. Last year, the Schmuecker flock shelled out an average of 247 eggs per bird. And rang up a net income of $1,771.79.

The Schmueckers know exactly what their flock can do—and why—because for the past six years they have cooperated in the demonstration flock program of Iowa State College.

That means they have kept records which have helped them find the bugs in their system. As a result, they have worked out an excellent program to cut costs and labor, as well as boost production.

As a former county extension director, Schmuecker knew, to start with, that the efficiency of the average Iowa farm flock could be stepped up quite a bit.

When he moved to the farm, his first step in testing his ideas was to remodel and enlarge the hen house. It was completely insulated and ventilated.

Next step was to adopt most of the management practices recommended by extension workers: All-pullet flock, early housing of pullets, year-around confinement of layers, self-feeding of all feeds, deep litter.

Another extension idea — no home mixing or grinding of feed—was adopted to cut down work. Instead, Schmuecker follows the system of buying a minimum of feed in the bag in order to use a maximum of home-grown grains.

Here is the Schmuecker feeding program: A chick starter for the first four weeks, then a grower concentrate of 26 per cent protein. At eight weeks, whole oats and shelled corn feeding begins.

Pullets and cockerels are separated at 12 weeks, with the pullets going into summer shelters on range. Automatic watering devices and large-sized range feeders—plus feeders attached to the sides of the shelters—are used to save labor.

Some flock owners think high production will cause a high mortality rate and cannibalism. The Schmueckers aren't troubled with either.

Lice and mites are almost unknown—because old birds never have a chance to pass these pests along to the young flock. And lice-carrying sparrows can't get into the laying house.

Another labor-saver is the rear-entrance nests, that keep layers quiet and cut down on nest-scratching. One result is less cleaning of eggs — the Schmueckers get only one per cent dirties during winter and spring.

The Schmueckers attribute part of their luck with chicks to their ISC-designed brooder house. It has windows in three walls instead of one, only one window per wall. This gives plenty of uniform light without causing the uneven temperatures which make for crowding and piling.

As successful as they have been, the Schmueckers know they can do still better. Last year, for instance, they boosted flock income from $1,016.38 to $1,771.79. That was an increase per bird from $3.81 in 1947 to $4.42 in 1948—and an increase per hour of labor from $3.94 to $5.21.

To show what careful planning and good management can do, the Schmueckers last year showed a return on their poultry investment of 96.8 per cent.

In the last six years, they have cut their chicken chore route in half—and the time required from 1.6 hours per hen in 1942 to only .85 of an hour in 1948.

low-cost coccidiosis control

DR. SALSBURY'S Ren-O-Sal
drinking water medicine

Generally Costs Less Than 1¢ Per Bird

Helps Stop Costly Chick Loss
Prevents Spread of Cecal Coccidiosis

Dr. Salsbury's Ren-O-Sal has reduced losses in thousands of flocks. Easy to give. Just drop handy tablets in water and mix. Tablets dissolve quickly. Cost is low . . . generally less than 1c per bird. Give at first signs (bloody droppings) of an outbreak.

Start Chicks on Ren-O-Sal 14 Days Earlier Egg Profits

For earlier egg profits give your chicks Ren-O-Sal (in smaller doses) right from the start. Helps chicks grow faster, mature quicker and lay earlier—when egg prices are higher. These results are test-proved, using customary feeds. Used by successful poultry raisers.

For earlier egg profits and low-cost coccidiosis control, buy Dr. Salsbury's Ren-O-Sal, today. In handy tablet form for drinking water. See your local hatchery, drug or feed store, now.

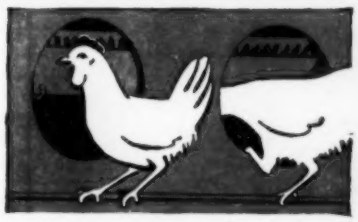
When you need poultry medicines, ask for

Dr. SALSBURY'S

Dr. SALSBURY'S LABORATORIES
Charles City, Iowa

Keep Your Laying Flock Profitable

Dr. SALSBURY'S Avi-Tab
Special Drug Formula



Watch for birds that "don't do their best." Avi-Tab has helped many such birds in thousands of flocks. See birds "perk up" Combs and wattles become redder. Low cost. Easy to use in mash. Avi-Tab is packaged for every size flock. For a more profitable flock, buy Dr. Salsbury's Avi-Tab, today. See your local hatchery, drug or feed store, now. Dr. Salsbury's Laboratories, Charles City, Iowa.

MODEL CHICKS

Started WH. LEGHORN AUSTRA WH. Pullets
4 Wk. $32.90 Per 100 F. O. B. | 6 Wk. $47.90 Per 100 F. O. B.

GRADE AAA Baby Chicks POST PAID

	St. Run	Pullets	Cox
White Legs. Austra W.	$12.90	$20.90	$4.90
White Rocks Buff Orp.	$12.90	$14.90	$12.90

U. S. Approved—Pullorum Controlled
100% Live Arrival—Surplus Cockerels $3.90

Alexander's Model Hatchery Box 114 Creighton, Mo.

6 WEEKS OLD
Large White Leghorns

Healthy, vigorous chicks that have proven their ability to live. We will tell you just what they will cost delivered to you. Get this information today.
ECONOMY HATCHERY, WARRENSBURG, MO.

LARGE TYPE WHITE PEKIN DUCKLINGS
25, $8.75; 50, $16.50; 100, $32.00. Postpaid. 100% Live Delivery Guaranteed.
SCHECKEL'S HATCHERY Springbrook, Iowa

Save Money, Buy Bonds

WHITE LEGHORNS BIG TYPE

Fine Egg Laying Strain. 100% Blood Tested. 100% Live Delivery. Heavy Production Mating.

Aus.-Whts., Buff Min.	$12.90
New Hamps., Wht., Brd. Rocks	11.90
Brown Leghorns	13.90
Columbian Rocks	15.00
Leghorn Cockerels $2.95, Heavy Asst. $8.90. Broiler Asst. $6.90, Fryer Asst. $4.90.	

$11.90 per 100
Baby Pullets $19.90
4-Wks. Old $35.90

Write for Catalog or Order from This Ad
Grain Belt Hatchery Box WF WINDSOR, MISSOURI

PULLETS—COCKERELS

As Low As $12.90 Per 100 — U. S. APPROVED
As Low As $3.00 Per 100 — PULLORUM CONTROLLED

White Leghorns, Brown Leghorns, White Rocks, New Hampshires, Black Giants, Hamburgs. Also 4 Week Old White Leghorn Pullets. Send for FREE Catalog. Low Prices, 48 hour shipping service. Orders filled promptly.

Windsor Hatchery Windsor, Mo.

ZEELAND Hatchery POULTS

Amazing profits with Hamilton Strain super-Broad Breasts. Growers report 18 pound hens, 28 pound toms at 5½ months. Make 1949 your Banner year—raise these super broad breasts for extra profits. Also Wagon Wheel strain broad breasts, White Hollands and all other breeds. Poults available for immediate and future delivery. Write
ZEELAND HATCHERY ZEELAND, MICH.

UP TO 20% FASTER CHICK GAINS

FISH-WHEY BOOST SARGENT STARTER RESULTS

We've added two amazing new GROWTH factors to Sargent MultiRich Starter—fish and whey solubles. These high-power vitamin and growth elements stepped up chick gains up to 20% in repeated tests; and at LESS feed cost, with very low mortality.

Never have we seen anything like it! Rich in vitamins, yes—but these fish and whey solubles have some added "mystery" elements in them that enrich the ration for faster growth than we've ever seen before. This great stepped-up Sargent Multi-Rich Starter is now ready for YOUR chicks. Get a bag. If it doesn't give a faster, better start than old-type Starter not containing these growth factors, we will refund the cost of the trial bag in full. Ask your dealer or write for free circular.

Further Enriched with A. P. F. (Animal Protein Factor)

Sargent MultiRich Starter

GET THE "THRIFTY FIFTY" 50 LB. BAG, SAVES LIFTING, SAVES MONEY

SARGENT PLANTS, Des Moines
Monmouth, Ill. Fremont, Nebr.
Waverly, Mo. Algona, Iowa

Tax Rule May Affect Poultry Raisers

Hens Are Machines In An Egg Factory, So Should Qualify Under Capital Assets Rule

WE'VE been getting many letters and telephone calls since we reported a circuit court decision (April 16 issue) holding that federal income taxes need be paid on only half the profits from sales of breeding stock.

Here are some of the letters we have received from farmers:

ARE HENS MACHINES?

To the Editor: If the cow and sow win out as capital assets, why shouldn't the old rooster, the hen, the bull, the boar, the ram and the old ewe be the same?—A. E. Ressler, Calhoun County, Iowa.

The principle is the same. A laying hen is a unit in an egg factory. The capital assets rule will certainly apply to all farm breeding animals and poultry after the case is settled and new rules are made.

WHAT'S MY TAX?

To the Editor: Will you figure out how much I would save on my income tax under the new court decision? Last year, I sold 15 brood sows for $777.40. I also sold two old cows for $301.20. My income, reported on line 6 of page 1 of Tax Form 1040 was $4,321.93. With a wife and two children, the tax table said my tax was $248.—F. P., Scott County, Iowa.

If you raised the sows and cows, and if you report on the cash basis, it would figure out like this:

The sow and cow sales would be reported on Schedule D and left off Form 1040. The total is $1,078.60.

After deducting any capital losses, divide balance by two, as directed on Schedule D. This applies only to animals held over six months.

If there were no capital losses to deduct, your income reported on line 6, page 1, would be $3,782.63 instead of $4,321.93. Your tax would be $166, a saving of $82.

If you bought the cows or sows, your saving would be less. Gains in that case are figured by subtracting cost from sale price plus depreciation.

WHAT IS BREEDING STOCK?

To the Editor: (by phone): Can breeding stock sold to other farmers be reported under the capital assets rule?—Carroll County, Iowa.

Breeding stock, under the circuit court decision, means animals used on your farm. Young bulls, boars or female stock raised for sale to your neighbors are your product, don't count as breeding stock.

WHAT SHOULD WE DO?

Check your last three income tax reports. Figure out roughly what you would gain under the capital assets rule for dairy and breeding stock.

If you find there would be a substantial saving, file amended reports some time this summer and ask for refunds on Form 843. Such a claim can't be outlawed, so, if the decision is affirmed, you will get your refund.

WILL DECISION STICK?

No one knows for sure. The government has until June 10 to appeal the circuit court's decision to the supreme court.

HIRED HAND HARLEY—"Better Keep It Quiet, Gramps"

PROTECT GROWING CHICKS

CONTROL ROUNDWORMS WITH POWDER IN FEED

Nothing's more discouraging than trying to coax wormy chickens to grow or lay. Get rid of worms with Dr. Mayfield Poultry Powder in the feed or Poultry Caps given individually. Dr. Mayfield Roundworm controls are easy to use, quick-acting, thorough, low-cost and *produce no after effects.* Put your chicks on Dr. Mayfield Roundworm Control Program at once. Excellent results reported everywhere.

Dr. Mayfield Modern Poultry Disease Control Products are SAFE, LOW-COST, QUICK-ACTING, EASY TO USE.

DR. MAYFIELD

POULTRY TABLETS — POULTRY CAPS
POULTRY TONIC — ROOST SPREAD
POULTRY SULFA — DISINFECTANT & INSECTICIDE
POULTRY POWDER

for control of diseases in chickens and turkeys of all ages.

DR. MAYFIELD LABORATORIES, Inc. CHARLES CITY IOWA

MODERN POULTRY DISEASE CONTROLS

HEALTH FOR YOUR CHICKENS AND TURKEYS AND MORE PROFIT FOR YOU

Hard cutting edges of Rainbow Grit in the gizzard grind food fine for complete digestion. Promotes health. Saves feed.

FOUR SIZES

RAINBOW GRANITE GRIT

ASK YOUR DEALER

Boote's Chicks—Famous For Egg Production

Get Boote's Chicks—bred from high producing strains. Prices $4.00 per 100 and up—3 weeks guaranteed livability. Popular breeds. U. S. Approved and Pullorum Controlled. Eggs hatched in modern sterilamp-protected hatchery. Chicks carefully sorted and promptly shipped. 100% live delivery. Boote's 22 years of experience is your assurance of satisfaction. Order Now! Free catalog.

BOOTE'S HATCHERIES, Inc., Worthington, Minnesota

ZEELAND Mammoth White PEKIN DUCKLINGS

GROW FAST on LOW PRICED FEED

Order Now at These Low Prices

SPECIAL "AAAA" MATING
From 2 and 3 year old Breeders
12 ducklings, $4.95 — 25, $9.95 — 50, $15.95 — 100, $29.95 — 300, $87.95.

SUPREME "AAA" MATING
From Yearling Breeders
12 ducklings, $4.45 — 25, $8.95 — 50, $14.95 — 100, $27.95 — 300, $81.95.

We pay postage. Send money with order or we'll ship C.O.D. Be sure to specify quantity, grade, and delivery date wanted. Available now and every week of the year.

FREE "DUCK RAISERS'" GUIDE!

Zeeland Hatchery, Inc., Box D-7, Zeeland, Mich.

Choice TURKEY POULTS

Send for FREE CIRCULAR describing Mixa's Broad Breasted Bronze poults. Popular medium and heavy strains all scientifically hatched under "hospital clean" conditions. Hatching eggs shipped in from famous West Coast breeding farms, are all pullorum clean. 100% live delivery. Order now for late May and June. REDWOOD FALLS, MINN.

MIXA TURKEY HATCHERY Inc.

MAMMOTH WHITE PEKIN DUCKLINGS

hatched from our own selected 2 yr.-old breeders. $28-100; $15-50; $8-25 postpaid. Live delivery guaranteed. Free Folder.

DeVRIES POULTRY FARM, ZEELAND, MICH.

STOUFFER'S FAMOUS CHICKS, U. S. APPROVED
Immediate delivery. Barred, White Rocks, White Leghorns, Austra-Whites, Hamp-Whites $13.90. New Hampshires $14.90. Wyandottes, Reds $15.90. Giants $16.90. Heavy mixed $10.90. Lights $9.90. Seconds $6.95. Thousands of four-week-old Leghorn Pullets from egg producing stock. Write for Circular and Prices.
STOUFFER'S HATCHERY LENA, ILLINOIS

OUR ADS ARE NEWS

Wonderful Success
Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers. Read her experience in her own words: "Dear Sir: I think I must be one of the very first to use Walko Tablets. Some 35 years ago when I started raising chicks I saw Walko Tablets advertised as an aid in preventing the spread of disease through contaminated drinking water. I tried a package for my baby chicks with happiest results. I have depended on Walko Tablets ever since." Mrs. Ethel Rhoades, Shenandoah, Iowa.

Danger of Disease Among Baby Chicks

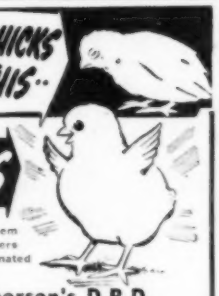
Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your flock before you are aware. Use preventive methods—use Walko Tablets. For over forty years thousands of poultry raisers have depended upon them. You, too, can rely on Walko Tablets as a valuable antiseptic to aid in preventing the spread of disease through contaminated drinking water.

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their little chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer can not supply you. Price 50c, $1.00, $2.50, and $4.00.

Walker Remedy Company
Dept. 46, Waterloo, Iowa

WILL YOUR CHICKS LOOK LIKE THIS..



OR THIS

Protect them from dangers lurking in contaminated drinking water

Dr. Jespersen's D.R.D.

Use Dr. Jespersen's D.R.D., the famous drinking water antiseptic for the first ten days in your chicks drinking water. Kill these dangerous organisms in the water before they kill your chicks and poultry. D.R.D. Prices—for 300 chicks, $1.50; 600 chicks, $2.75; 1200 chicks, $5.25; 2400 chicks, $9.75. Then give

Dr. Jespersen's FOWLTON

The Famous Drinking Water Supplement

Give Dr. Jespersen's FOWLTON daily after using D.R.D. for 10 days. Thousands of farmers give FOWLTON at the first sign of unthrifty birds. Prices—for 300 chicks, $1.50; 600 chicks, $2.75; 1200 chicks, $5.25; 2400 chicks, $9.75.

SEE YOUR JESPERSEN DEALER

If he is out, to save time we will ship at D.R.D. Prices or at Fowlton Prices direct to you prepaid if check or M.O. with order—or C.O.D. and you pay all delivery charges. Attractive proposition for established dealers.

Dr. Jespersen's LABORATORIES
Dept. W-51 SPENCER, IOWA

BE SURE . . . of your chick ration!
FEED YOUR CHICKS
VICTOR
CHICK STARTERS
(GRANULES OR MASH)
CRETE MILLS . . . CRETE, NEBR.

BUY U. S. SAVINGS BONDS NOW

Since November, 175 hens have been laying 100-120 eggs a day for Andrew Love, of Adair county, Iowa. Milk from the Love dairy herd is included in ration.

Sulfas For Coxy

POULTRYMEN who have had poor results in using sulfa drugs for coccidiosis treatment probably have not been using the drugs properly, says Purdue University.

Too often, says Alex Gordeuk, Purdue extension poultryman, the sulfas are used when other treatments have failed or when some of the birds are about dead or too weak to respond to treatment.

Birds in the advanced stages of a coccidiosis outbreak can not be saved by any treatment, says Gordeuk. So be sure to use sulfas when the disease first shows up.

Sulfas don't kill coccidia themselves. Instead, they slow down their growth so that the bird's natural body defenses can destroy them.

Sulfa drugs begin to take effect as early as four and one-half hours after treatment starts. But as soon as you stop treatment, the sulfa level in the blood goes down rapidly.

For this reason, the manufacturer's directions for use of sulfa should be carefully followed. You can give too much or too little.

Another serious mistake, says Gordeuk, is to feed extra milk when sulfa treatment is started. The extra milk causes a flushing action. That means much of the sulfa is passed out of the body and treated birds get little benefit from it.

NUMBER OF CHICKS produced by Iowa hatcheries this year is running about 25 per cent above 1948. For the country as a whole, the increase is near 30 per cent.

▲ ▲ ▲

IOWA FARM POULTRY flocks average about 15 per cent larger than they did 25 years ago. But laying efficiency is up about 70 per cent. Most of this improvement has come since 1937.

Down comes the high cost of controlling Bloody Coccidiosis! And it's ARCOL that does the job . . . controls this deadly disease, *effectively* . . . at HALF the COST . . . or less. Figure it for yourself. Look at the cost per bird . . . or per 100 birds, using any other product, then compare with ARCOL. You'll find ARCOL cuts the cost in half. You save the difference. ARCOL gives *effective control* at about one cent per bird (at six weeks old).

ARCOL is a convenient liquid . . . easy to use. Just add a teaspoonful of ARCOL to a quart of water, in any kind of fountain. ARCOL acts quick . . . prevents spread of bloody coccidiosis to uninfected birds . . . helps check bleeding . . . cuts losses to minimum.

BE SAFE . . . at first signs of Bloody Coccidiosis, USE ARCOL QUICK!

Get a bottle of ARCOL today at your hatchery, drug store, feed or supply dealer. 6-ounce, $1; Pint, $2; Quart, $3.50.

ARCOL

A Field-Proven Product of THE GLAND-O-LAC CO., Omaha, Nebr., Makers of Quality Poultry Medicines and Biologics for More Than a Quarter of a Century.

ALL STALEY POULTRY & HOG FEEDS
(EXCEPT SCRATCH FEEDS)
CONTAIN ANIMAL PROTEIN FACTOR

NOT ONE BUT ALL Staley poultry and hog feeds (except scratch feeds) contain *Animal Protein Factor*, the sensational, newly-discovered nutrient that stimulates growth and health, increases feed efficiency, cuts death losses and production costs!

FOR A BETTER FEED than any you've *ever* used in previous years, get Staley poultry and hog feeds *Super-Charged* with Animal Protein Factor, science's newest and greatest contribution to better feeding. Look for the Staley label!

STALEY MILLING CO., KANSAS CITY 16, MO.

TAILOR MADE PHOTO FINISHING
Refunds On Unprintable Negatives
For 35c, only 10c more than the cheapest work, you can have your 8 picture roll sparkle with brilliance. Makes you seem like an expert. Errors corrected. Every print inspected. Send one roll and learn what individual attention (not mass production) can do. 12 or 16 exposure rolls, 35c.
MIDWESTERN FILM LAB., Iowa City 1, Iowa

LARGE TYPE LEGHORN PULLETS
2 to 6 weeks old. Pullorum passed.
SADIE STOUFFER HATCHERY
Waddams Grove, Illinois

USE OLD RELIABLE
El Vampiro
KILLS BEDBUGS ROACHES MOTHS
NON-POISONOUS
KILLS ANTS FLEAS MOSQUITOES
ALLAIRE WOODWARD & CO. PEORIA, ILLINOIS
10¢ IN THE YELLOW BELLOWS BOX AT ALL DEALERS

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

Protect

YOUR CHICKS AND POULTS AT LOW COST WITH HILLTOP LABORATORIES' EFFECTIVE, EASY-TO-USE MEDICINALS!

1

Use MOR-O to control Cecal Coccidiosis at One-Third the Cost of Sulfa Drugs!

MOR-O Liquid should be used in the drinking water as soon as the first Cecal Coccidiosis symptoms appear. In smaller dosage, MOR-O is also an efficient tonic for chickens and turkeys. Stimulates growth rate and production. **Costs so little per bird.**

2

K-M kills many germs in contaminated drinking water!

K-M, "the Poultryman's Standby," should be used in the chicks' and poults' drinking water right from the start. Kills the germs of Pullorum, Typhoid, Paratyphoid and Cholera that may contaminate the drinking water. **Costs only 1½c per gallon of drinking water.**

3

SULFAQUIN-O-MOR mixed in Poultry Drinking Water controls Coccidiosis!

Serious outbreaks of Cecal and Intestinal Coccidiosis can be prevented with SULFAQUIN-O-MOR, saving costly chick and poult losses. Should be given regularly during susceptible period, from 4th through 8th week. Equally effective either as a preventive or to control outbreaks.

ASK YOUR RELIABLE HILLTOP DEALER FOR HILLTOP'S "AIDS FOR POULTRY" TODAY

HILLTOP LABORATORIES — Aids for Poultry —

HILLTOP LABORATORIES • 718 WASHINGTON AVE. N., MINNEAPOLIS 1, MINN.

VICTOR CHICK STARTERS
(GRANULES OR MASH)

Let VICTOR CHICK STARTERS help you make best egg and poultry profits this year. KNOW your chicks are getting a high protein, high energy feed. KNOW they are getting Vitamins A B D E and G, carbohydrates, fats and minerals in proper amounts. VICTOR CHICK STARTERS contain all of these nutrients — essential for good chick health, fast growth and to develop into good laying hens early. Because VICTOR CHICK STARTERS are so palatable, your chicks will eat more of them! Order your supply of VICTOR CHICK STARTERS today — either GRANULES or MASH.

See your VICTOR DEALER today
CRETE MILLS • CRETE, NEBRASKA

SAVE! ORDER *Boote's* CHICKS NOW!

Boote's chicks are famous for fast growth, rapid feathering—and big egg profits. Popular breeds. U. S. Approved and Pullorum controlled. Hatched in modern, sterilamp-protected hatchery to give you strong, husky, healthy chicks. $4.00 per 100 and up—guaranteed to live 3 weeks. No strings to this. Boote's 22 years' experience assures you satisfaction. Save money. Order now. Free catalog.

BOOTE'S HATCHERIES, INC., Worthington, Minnesota

Service Bureau

How Much 1948 Iowa Farm Income?

To the Editor: Can you tell me the gross income from livestock and crops in Iowa in 1948?—L. A., Washington County, Oregon.

Iowa farm income in 1948 from the marketing of livestock and livestock products amounted to $2,009,470,000. The 1948 Iowa farm income from marketing of crops was $345,263,000.

How Get Job-Aid For Handicapped?

To the Editor: What can you tell me about vocational rehabilitation? Who pays for it? How do you go about getting it?—C. D., Dubuque County, Iowa.

The Vocational Rehabilitation Division is a state board which offers training, or, if required, hospitalization plus training, to physically handicapped persons. If you don't know what you want to do, or are best suited to do, counselors will give you vocational tests.

After your training is completed, the Vocational Rehabilitation Division helps you find a job.

Funds for vocational rehabilitation come from the federal and state governments. Federal funds pay all administrative costs and half the case costs. The state pays the other half of the case costs.

If you are interested, write a card to: Vocational Rehabilitation Division, 415 Bankers Trust Building, Des Moines, Iowa. Tell them you are a physically handicapped person and would like some application forms.

Chlordane Will Kill Box-Elder Bugs

To the Editor: Do you know of anything that will definitely kill box-elder bugs? Winter weather didn't bother them.—Mrs. W. S., Story County, Iowa.

Iowa State College entomologists say that you can control box-elder bugs with chlordane. Chlordane should be applied as a residual spray around windows and other places thru which the bugs enter the home.

Strength of the spray should be a 2 per cent solution. Chlordane has considerable residual power.

always selected

PILOT BRAND OYSTER SHELL

FOR POULTRY

Breeders of fine poultry throughout the country buy good feeds and employ good methods to keep their flocks up to their high standards of quality.

In ever increasing numbers over the past 25 years, they have turned to Pilot Brand Oyster Shell because it is thoroughly dependable as to purity and helps give them the results they must have in hatchable eggs.

Pilot Brand is the standard

At most good feed dealers

OYSTER SHELL PRODUCTS CORP.
New Rochelle, N. Y. St. Louis, Mo.

For MORE POSITIVE, MORE ECONOMICAL CONTROL of CECAL **Coccidiosis**

Depend on Dr. Martin's PROVEN

SULFADINE

- A quart makes 32 gallons of medicated water for only $3.60—treats 300 to 500 chicks.
- Saves losses because it works FAST. Many report recoveries in less than 24 hours—quick return to feed.
- Easy to use—just add to drinking water. Birds actually like it.
- If you buy now, you'll be ready at first signs of coccidiosis.

"LOOK FOR THE SILVER LABEL"
MARTIN LABORATORIES, INC.
SIBLEY, IOWA

PREVENT COCCIDIOSIS

USE ASL R-SEN-O

Fast, Effective. Low Cost. No after-effects. Mix with water or feed.

Sold by leading dealers.
20 oz. size $2. Ask your dealer or write
American Scientific Labs., Inc.
Box 232, Madison 1, Wis.

YEAST Sure Makes a difference in feed costs!

All turkeys, poultry and livestock gain faster with less feed when live-cell yeast is in the ration. For generations yeast has been an aid to digestion and assimilation. Less feed is required. All yeast is good, but SUPERLIFE LEADS! Buy only the best!

Superlife

LIVE CELL YEAST CULTURE

Choice of feeders and mixers. Write for Free Literature. If your feed dealer can't supply SUPERLIFE, send us his name and address and we'll make it available to him. Try It!

DEALERS—Write for SET-UP

HRDLICKA PRODUCTS CO., Cedar Rapids, Ia.

U. S. APPROVED Pullorum Controlled **CHICKS**

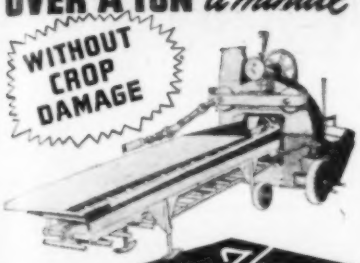
SEXED PULLETS As Low as..... $11.90 Per 100 COCKERELS As Low As.. $5.95 Per 100

The WHITE CHICKERY, SCHELL CITY, MO.

Buy Savings Bonds

OVER A TON *a minute*

WITHOUT CROP DAMAGE



The NORTHLAND HIGH CAPACITY CROP BLOWER

Here's your answer for a Crop Blower that is fast and efficient . . . will operate at high capacity without plugging . . . operates on less power and pitches well on windrows. Simple design and rugged construction to stand long use . . . yet priced right . . . the last word in blower design . . . conveyor clutch controls from either side . . . variable unloading control from either side of blower . . . and exclusive power faced fan blade that prevents crop damage — a feature not found in any other blower — and that makes blower ideal for grain crops as well as forage crops. With specially designed draw bar one man can quickly convert blower into mobile unit. These are just a few exclusive features. Learn the whole story. Call on your implement dealer now! He has the new blower you asked for.

SEND TODAY for FREE DETAILS

NORTHLAND ENGINEERING & MANUFACTURING CO. APPLETON, WISCONSIN

Feed Your Soil

—RUHM'S—

PHOSPHATE ROCK

- INCREASES YIELDS
- IMPROVES QUALITY
- HASTENS MATURITY

Super Finely Ground

so plants get more out of it—quicker—and so do you. The best phosphate and the cheapest if you count results.

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Louis J. Reilly . . . . . Ryan, Iowa
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Henry A. Bierma . . . . . Lorimor, Iowa
Craig Pettit . . . . . Mt. Sterling, Iowa
Geo. F. Ireland . . . . . Oskaloosa, Iowa
Clarence G. Taylor . . . . . Sibley, Iowa
I. G. Chrystal . . . . . Coon Rapids, Iowa
Robert Rooker . . . . . Bondurant, Iowa
J. E. HARRIS, State Rep. . . . . AMES, IOWA

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Second-Year Hybrid Seed Risky

To the Editor: A neighbor saved seed from a field of hybrid corn and plans to plant it. What yield can he expect as compared with planting the original seed? — A. O., Blue Earth County, Minnesota.

Experiment station tests which were run some years ago indicate that you can expect a reduction in yield of from 10 to 25 per cent in planting second-year hybrid seed corn.

If the original seed would bring a yield of 100 bushels per acre, you could expect from 90 to 75 bushels per acre from second-year seed. Any further use of seed leads to reversion to the open-pollinated types from which the parent stock was bred.

Ample Niacin In Most Hog Rations

To the Editor: What is this new vitamin, niacin? Is there any home-grown feed that contains a good amount of it? Can it be produced on the farm?— B. E., Tama County, Iowa.

Niacin is one of the B-complex vitamins. It is widely distributed in feeds. Ample amounts are supplied in most rations for farm animals. Niacin can be synthesized by bacteria in the paunches of ruminants, so cattle and sheep get a good supply from this source.

Dried yeast, rice bran, wheat bran, peanut oil meal, green forage and pasture crops are rich in niacin. Barley, wheat, sorghum grains, oil meals, meat scraps, tankage and fish-meal are good sources. Corn, oats, rye and dairy by-products have a rather low content.

Hogs fed a ration high in corn generally need a greater amount of niacin than usual. To supply it, include in their rations wheat middlings or other feed rich in niacin.

You probably won't have much trouble from a lack of niacin if you have good pasture available for your pigs, or if they can get some good legume hay.

Pigs Need Some Riboflavin

Pigs need 1.4 milligrams of riboflavin per pound of feed, said S. W. Terril, of the University of Illinois at the Illinois Swine Feeders Day.

In our April 16 issue, we incorrectly quoted Terril as saying pigs need 1.4 pounds of riboflavin per 100 pounds of feed.

While riboflavin needs are small, its lack can cause pigs to get runty. Sources of the vitamin include good pasture and alfalfa meal.

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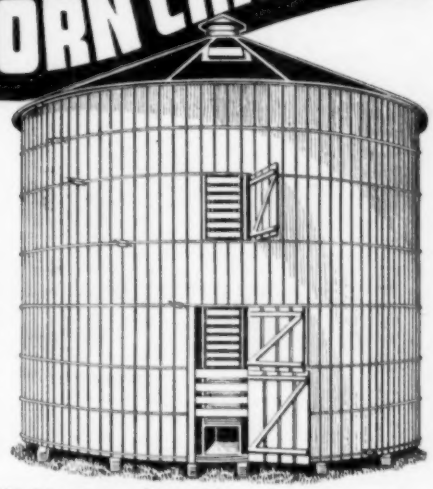

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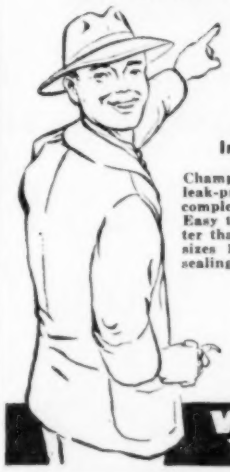

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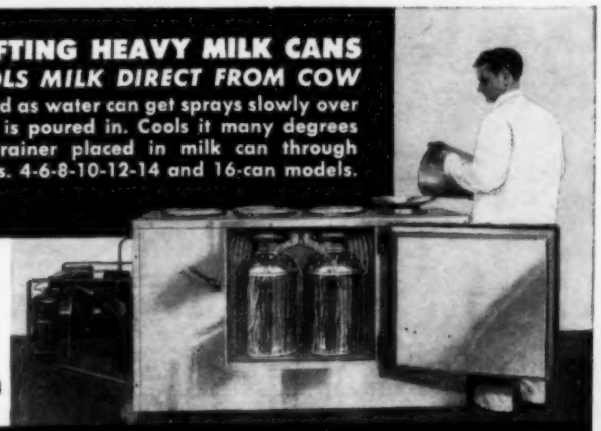

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Erysipelas Vaccine Sales Restricted

To the Editor: Where can I buy the serum and culture erysipelas vaccine for my hogs?—N. K., Jackson County, Iowa.

There are some restrictions on the use of serum and culture erysipelas vaccine for hogs. You can get the serum and culture only thru a licensed veterinarian.

Before the veterinarian can get it, he must obtain written authorization from the state veterinarian, Dr. H. U. Garrett. With the written authorization, the veterinarian can get the serum and culture vaccine from most serum companies.

Strong Phosphate Shows Best

Highly concentrated phosphate fertilizers do the best job of boosting corn yields, Iowa State College tests show.

Test plots were treated with regular superphosphate (0-20-0), calcium metaphosphate (0-62-0) and with triple superphosphate (0-43-0). Corn with no treatment made 86.7 bushels per acre, fields getting 0-20-0 yielded 88.7 bushels, those treated with 0-43-0 made 89.5 bushels, and fields on which 0-62-0 was applied yielded 90.3 bushels per acre.

Started in 1937, the tests have been run thru four complete corn-oats-hay rotations.

South Boosts Yields With Fertilizer

There is a moral—and a soil conservation sales story—in the amounts of fertilizer necessary to get big corn yields in southern states.

Goal of the south is to produce the corn it needs for a balanced agriculture. Southern yields may sound small to an Iowa farmer, but they are climbing rapidly.

In Alabama, the 1948 average yield was 21.5 bushels per acre. Not many years ago, the average was only 13 bushels. Last year, 242 Alabama farmers gained membership in the 100-bushel corn club with an average of 111 bushels an acre.

They had to use about 600 pounds of 4-10-7 per acre, plus 64 pounds per acre of nitrogen applied as a side-dressing.

Georgia's average yield hit 15.5 bushels in 1948, compared with a 1939-44 average of 11.1. Members of the 100-bushel corn club used an average of 611 pounds of 4-9-7 per acre, plus a side-dressing of 179 pounds of 26-0-0 per acre.

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For Old Model John Deere A or B
For Farmall F-20, F-30 and Regular Model

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Bring your old tractor up to date. Do many more jobs in a day. Ideal for bucking hay, rotary hoes, long hauls, etc. Does not interfere with present gears.

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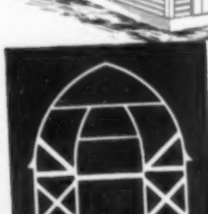

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SAVE YOUR LIFE!

Here's another story of an actual Iowa farm accident. It is told by N. J. Wardle, Iowa State College farm safety specialist.

"MATT! Oh, Matt!" Lucy called from the back door. "Matt, I need some wood or I can't finish dinner."

"All right, all right. . . . Get it in just a minute." Matt was in the shop putting sharp shares on the plow. The first one wasn't going on very easy, and Matt was getting impatient.

"I'll just put on this share," he thought. "Don't see why Lucy doesn't get her own wood, anyway. Course it isn't cut, but lots of women cut their own wood." The share was going on now.

"Matt! Where is that wood?" Lucy was calling again from the door.

"Oh, all right!" Matt dropped the share in exasperation. "I'll never get the plowing done at this rate," he thought. "Oh, well, I'll get a stick or two, then get the plow ready while she finishes dinner."

Matt rushed over to the woodpile, picked up the ax, grabbed a block of wood and swung at it.

"I'll get that back field plowed today, then. . . . Oh, Oh, Lucy!"

Matt grabbed his left hand and fell to the ground in pain. In his hurry, he had swung the ax before he could get hold of the block correctly. The ax blade had struck his forefinger, severing it neatly just above the second joint.

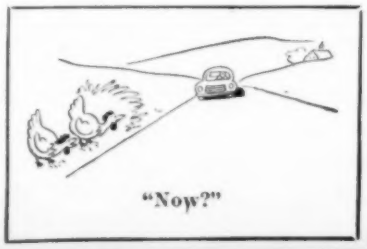
Matt had used an ax for many years, was rather proud of his skill with it. He could set up a block of wood and in a few swift, well-directed cuts have a cascade of stove-wood around the chopping block. Where had he made a mistake this time?

Hurry did it. In modern American life, the temptation to hurry is always with us. Our way of life is built on speed — on getting things done quickly.

But it's important to make a distinction between hurrying and doing a job quickly. Hurry may be called uncontrolled or undirected speed. To get things done quickly there must be no wasted effort. To hurry is to make many movements, but to get nowhere.

Hurrying and planning other work while handling such a dangerous tool as an ax is inviting disaster. It's especially important for a farmer to study how to do his various jobs most efficiently. Planning will help you do your work without hurry, yet get it done quickly and efficiently.

Remember: "Be alert—don't get hurt!"



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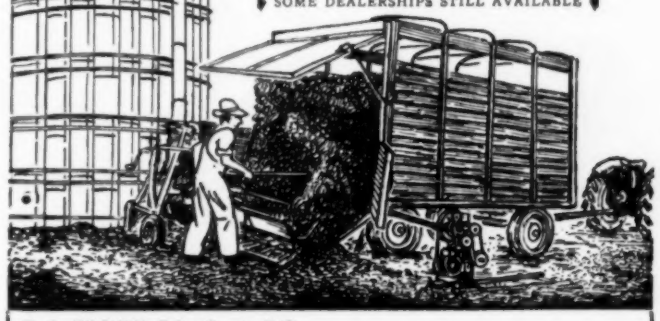

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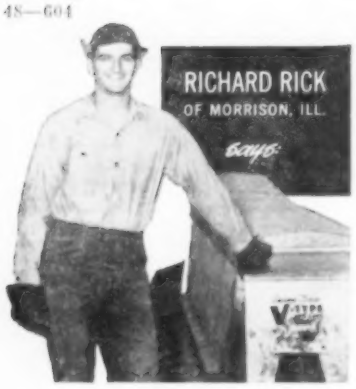

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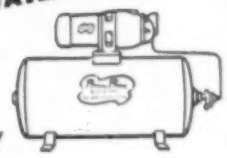

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Delavan, Wisconsin, Dept. WF

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Voice of the Farm

Are Gullies Owner's Own Business?

To the Editor: Your editorial, "Sue Land-Owner Who Makes Gullies" (April 2 issue), sounds communistic or socialistic to me.

If society or the state is interested in those hills that wash, they can go out and buy them.

Europe is hanging on our apron-strings because of state control and intervention. It takes all the production of Europe to pay the expense of government control, and they haven't enough left to feed the people. That makes farmers prisoners on their own farms. —John Sankey, Pipestone County, Minnesota.

You mean anybody who sues somebody for damages is a Communist?—Editor.

Why Not Fix Mud Roads First?

To the Editor: I've read your article, "When Will You Get Out of the Mud?" (April 16 issue.) The whole thing sounds good, but, at the rate they are going, 20 years is too low an estimate of the time needed.

Our road is a school bus route (when it can get thru). Part of it is a mail route.

We worked for years to get it graded and finally got it partly done. But they pulled out for another road before ours was finished.

The county paper this week lists the roads that are up for grading and gravel. They are roads which have been graveled for years and are still passable. They are going to tear them up and spend money on doing them over, while the rest of us sit in the mud.

Something needs to be done. But, as you say in the last paragraph of your article, there is no law making supervisors take the advice of people.—Mrs. W. H. C., Ringgold County, Iowa.

But there's a law requiring supervisors to run for re-election every three years. Maybe you ought to show them then what happens when they don't take your advice.—Editor.

Gravel Roads Bog Down, Too

To the Editor: If schools are to be consolidated and pupils hauled by bus successfully, the school term should start April 15 and close about December 1.

This part of our state is laced with gravel roads. I can go four ways to town on gravel. But we have two or three weeks in the spring when the gravel does not hold up for the school bus. And during winter storms, roads are often blocked with snow.

To be sure, you Iowa people don't like the mud, and I know you have it. But gravel roads are fair-weather roads, too. — John Wreath, Lyon County, Minnesota.

What, no summer vacation?—Editor.

Can't Find Time For Weed Cutting

To the Editor: If they put too many teeth in the weed law, farmers will have to let work that should be done go and cut weeds.

We have always milked around 17 cows, but it looks like we will have to cut down that number to just a few in order to find time for more weed cutting. — Connie Low, Taylor County, Iowa.

Many farmers figure weed control makes them money.—Editor.

PAW TUCKER—"Maybe Paw Is Spryer, Too—He Still Can Save The Milk"

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Changing to Famous Cereal Drink Brings Natural Relief

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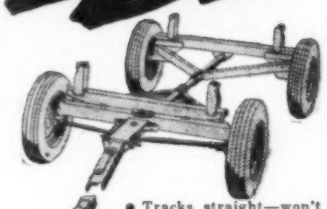

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Has No Use For The Assessor Law

To the Editor: You said you'd like to hear what farmers think of the new county assessor law.

Here's what we think: By next year we won't be able to pay our tax.

The 40 acres our buildings are on was appraised at $3,750. We paid only $4,000 for the whole 128, buildings and all, in 1943. Surely, hill land hasn't gone that high.

Every time the government wants to raise money for one thing or another, it just puts on more tax. Don't they know the war is over? — B. A., Harrison County, Iowa.

Idea of the county assessor law was to even out the assessments, not just raise them all.—Editor.

Three-Year Rotation For All Land?

To the Editor: In your article, "How Will AAA Figure Corn Bases?" (March 20 issue), you mention two methods: First, by history; second, by land use.

Having been on the AAA committee myself, I would like to give my idea on allotments:

Take your cultivated acres and divide by three — for corn, oats, hay and pasture. Don't allow any more than one-third of the cultivated acres for corn (or beans) and one-third for oats, as these are the crops that hurt the markets and the land.

It won't do anybody any good to work the ground any harder.—Otto Melsa, Iowa County, Iowa.

But some land can stand more corn, some less.—Editor.

Minnesota Roads No Bargain

To the Editor: As a lifelong resident of Wabasha county, Minnesota, I wonder whether I really live in the same county as V. B., who wrote about our "good" roads in your issue of April 2.

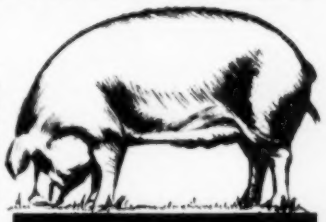
He should travel all over Wabasha county in really bad weather and try to make 10 or 20 miles to school. We have long, steep hills that are very treacherous in icy weather. And there aren't enough snow-plows to keep the roads open.

This spring, some of our bus drivers were arrested for driving on soft secondary state highways. Many drove small cars jammed with children to avoid arrest. Does this sound like roads are no problem in Minnesota? — Emil Beck, Wabasha County, Minnesota.

But at least you don't have deep mud.—Editor.

INCREASE HOG RAISING PROFITS.. 75% TO 300%
This Easy...Time-Tested...Farm-Proved Method

You can easily boost your hog-raising profits 75% to 300% by using the Master Medicated grain preventive treatment.



Almost all growing pigs have Necro in some degree. The use of the Master Medicated Grain Treatment, started as soon after weaning as possible, helps to keep them Necro-free. This lets the pigs get better benefits from the feed consumed. Saves feed bills, eliminates costly setbacks and losses caused by Necro and Necro Scours. Even good-doing pigs on Master Medicated Grain put on more solid weight because they get more pork-building value from their feed. The Master Preventive treatment also prevents breaking with Necro at vaccination time. Savings in feed alone pays for the medicine many times over.

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Start Using Master Liquid Hog Medicine NOW!

Lets hogs *finish out from 5 to 7 weeks sooner*. This means top prices for you because you have heavy hogs to hit the high markets before heavy runs. Cost is low . . . Easy to use. Order today from your local Master dealer or send direct. One gallon for each 20 head provides 7-weeks treatments.

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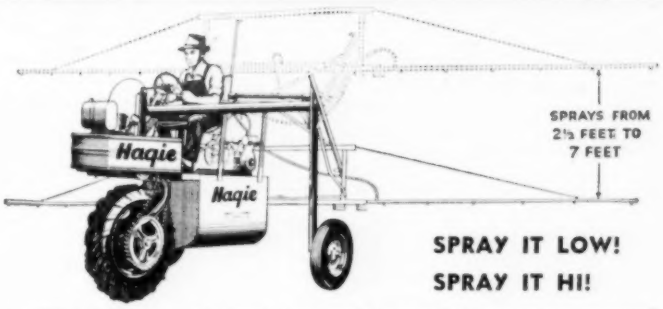

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ATLACIDE
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Kills Weeds by Destroying Roots

Outstanding *killer* of Bindweed, Canada thistle, Quack grass, Leafy spurge, Poison ivy, and other weeds and grasses. Applied as spray or in dry form.

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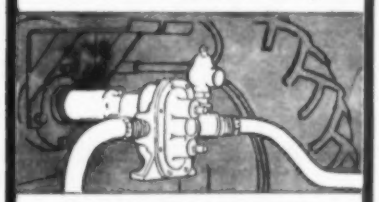
EVEN FLO Tractor Pump



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Quick! Safe! FOR HOGS CATTLE HORSES DOGS

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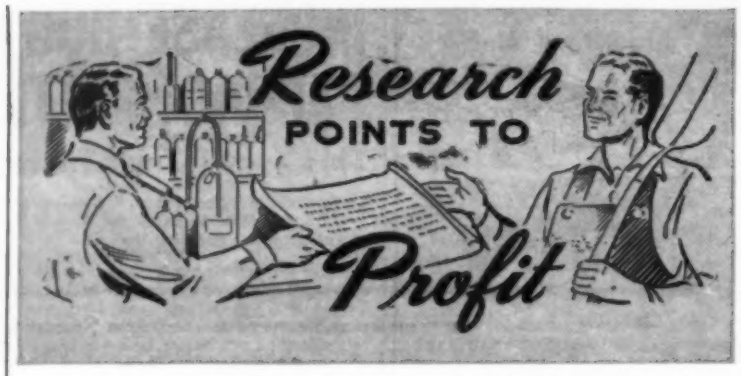


Maybe you will want to try some of the ideas you read about in this column. If you do, go ahead. But, remember, in many cases you will be experimenting. In order to keep you posted on new developments in agricultural research, some projects are reported when they are still in the "testing" stage. When that happens, publication here is not to be taken as an unqualified recommendation.

TAT Meta-Phioxyene Controls Flies

TAT meta-phioxyene is suggested by the O. E. Linck Company as a fly-killer where flies have built up resistance to DDT.

The wettable powder, mixed with water at the rate of a pound to each gallon of water, is best applied as a coarse spray. One gallon should cover 500 square feet of building.

When sprayed directly on cattle, use one pound of the material to 10 gallons of water. Do not apply to calves under three months or to cows in milk, the company says.

You Can Test Two New Ideas

You can help test two new ideas this year: Pre-emergence spraying to control weeds in corn, and alternate double-row planting of corn and soybeans.

More farm evidence is needed on both ideas. A dry May last year held up the answers on pre-emergence spraying. And alternate planting of corn and soybeans has not been tried extensively.

On pre-emergence, try spraying 10, 20 or 30 rows of corn right after planting — before the corn comes up. Use one and a half to two pounds of 2,4-D per acre. Leave unsprayed check rows. You can then get a complete picture of several possibilities: No spraying at all; pre-emergence only; pre-emergence plus later 2,4-D spraying; post-emergence only, etc.

The other test is suggested by 1948 experiments at the University of Illinois. There, corn and soybeans planted in alternate double rows gave corn yields as much as 27 bushels per acre greater than corn planted in the usual way.

The theory is that the alternate planting reduces competition for plant food, moisture and sunlight.

The idea needs more testing. And someone has to figure out how to harvest the beans.

Calves Need Cows' Bacteria

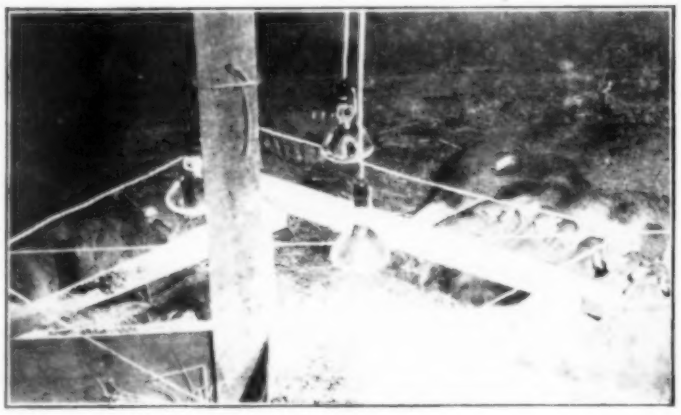
Are your calves scrawny, unthrifty and slow to eat hay? Maybe they need some of their mothers' bacteria.

Pre-digestion processes carried on by bacteria in rumens of older cattle may not develop in dairy calves until they are many weeks old, says Ohio experiment station.

One reason is that dairy calves are separated from older stock. This prevents nature's inoculation, which is carried out when calves eat feed older cattle have slobbered on. Another reason is that sometimes calves don't get the right kind of feed for the micro-organisms to work on.

So see that calves get plenty of good roughage. To inoculate the calf's rumen, steal a piece of cud from an older cow and put it in the back of the calf's mouth.

"ELECTRIC" PENS



One cent apiece is all it cost Orliss Jacobson, of Freeborn county, Minnesota, to install farrowing pens in his dairy barn. He had some copper-covered steel wire, ran it around the pens and hooked it to his electric fencer. The few planks he had were used to keep the little pigs apart. Wire across pen corners protects heat bulbs.

NEW-PUMP GIVES 40-70% MORE WATER!

Uses Less Electricity

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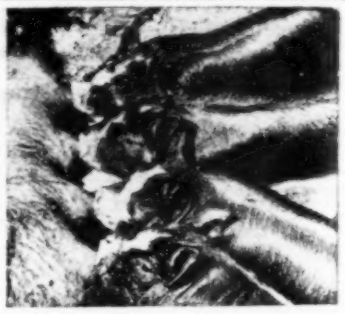

Start 'em right & keep 'em coming . . .

Early markets will pay off this year, authorities say. Actual tests show pigs get to market weeks earlier with less feed when fed a balanced ration.

Thousands of successful feeders balance their home-grown grains the dependable Puritan way with

MIN-A-LAK, a mineral supplement with yeast added.

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The Puritan man will gladly tell you about Puritan's proved feeding program, or write directly to

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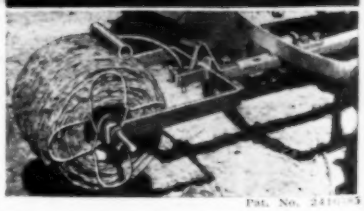

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SHOWS GALLONS SPRAYED PER ACRE AUTOMATICALLY IN ONE MINUTE!

FITS ALL FIELD-SPRAYERS . . .

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WANTED—Used Threshing Machine, 22 to 28 inch cylinder. State make, age, price. Clover equipment desirable. P. Coates, R. 3, Tottenham, Ontario, Can.

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Increase Crop Yields.. Boost Meat and Milk Production..Cut Costs

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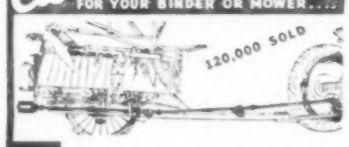
FOR YOUR BINDER OR MOWER....



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PROVED PROTECTION for over 77 years. No building has ever been destroyed that had the protection of the Security System.

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NOW IS THE TIME TO LOOK AT YOUR EQUIPMENT

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GO TO YOUR LOCAL IMPLEMENT DEALER

HE WILL HELP YOU WITH PARTS AND REPAIRS

Let Your Dealer Know

Both weed and pest killers are in good supply nationally. But there is this to remember: They give best results only when used at the right time.

You may have a brief period of three or four days when you can expect top results from agricultural chemicals. If your dealer is out, or has to order from his supplier, the delay may be costly to you.

So help your dealer out. Discuss your plans and your agricultural needs with him. Then he will be in a position to deliver the goods the day you want them.

Puzzled About Using DDT

To the Editor: Now that the government says it isn't safe to use DDT on cows, what is the name of the stuff they recommend? — W. I. S., Jasper County, Iowa.

Let's back up and start over—you're not quite correct in your statement about DDT.

Here is what the government has said: "DDT is a very valuable insecticide which has contributed materially to the general welfare of the world.

"There is no evidence that the use of DDT in accordance with recommendations of the various federal agencies has ever caused human sickness due to the DDT itself. This despite the fact thousands of tons have been used annually for the past four or five years. Minor toxic symptoms may be produced by kerosene and various solvents used in DDT and practically all other insecticidal mixtures.

"Statements that DDT is responsible for causing the so-called 'Virus-X disease' of man and 'X disease' of cattle are totally without foundation. Both of these diseases were recognized before the utilization of DDT as an insecticide.

"The Food and Drug Administration has not prohibited the use of DDT in spraying cattle and barns."

But the Food and Drug Administration has warned that any dairy products showing traces of DDT would be seized and removed from interstate commerce.

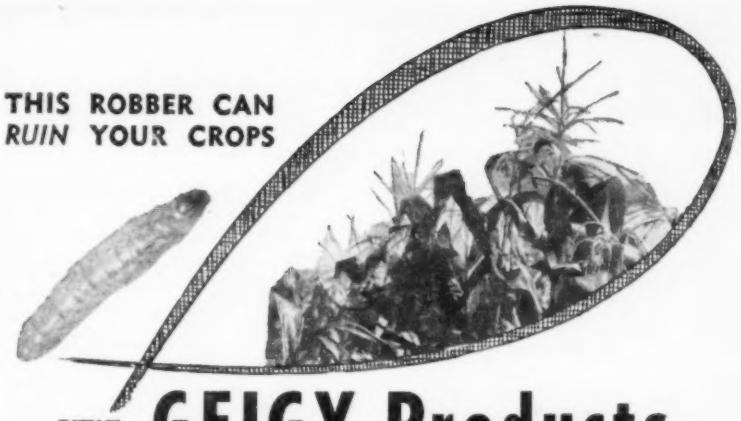
So, as a protection to yourself and your creamery or dairy, federal agencies recommend using a close relative of DDT, called methoxychlor or methoxy-DDT.

It is about as deadly to flies, but less apt to be absorbed into animal tissues or secreted in milk. They also recommend pyrethrum fortified with piperonyl butoxide for dairy cows and barns.

In another news release, the Food and Drug Administration has said: "The same principles (as pertain to DDT) are applicable to benzene hexachloride, chlordane, toxaphene and TDE, at least for the present."

For complete information on fly-control, read the article on page 28.

THIS ROBBER CAN *RUIN* YOUR CROPS



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GEIGY'S 5% DDT DUST. Use 30 to 40 lbs. per acre per application.
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GEIGY'S E25. An emulsified solution containing 25% GEIGY DDT. Use 2 to 3 quarts in 5 to 100 gals. of water per acre, depending upon whether high or low volume equipment is used.

(FOLLOW LOCAL RECOMMENDATIONS FOR APPLICATION DATES) Write for interesting Booklet on "HISTORY of DDT" to—Geigy Company, Inc.

Midwestern office, Burlington, Iowa

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ORIGINATORS OF DDT INSECTICIDES

SELF UNLOADING UNIT To Fit All Standard Wagon Boxes

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WHICH FITS ALL STANDARD WAGON BOXES

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Saves hours of hard hand work in putting up silage, hay or bedding, unloading corn and other grains and any farm hauling job. Easily installed on any wagon and box—fit unit on bolsters, set box on unit, raise front endgate, put in chain and close; unit is ready for operation.

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- EASY TO INSTALL
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DIMENSIONS:
- Width of Apron 33 inches.
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- Neutral Lever Within Easy Reach of Operator.

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- Complete, ready-to-assemble.
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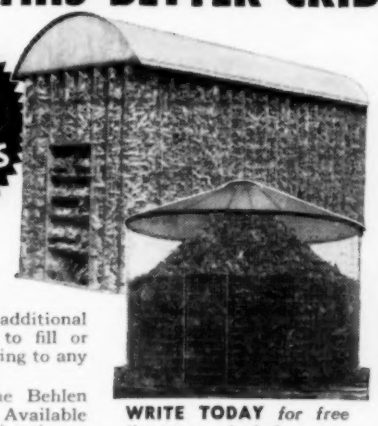

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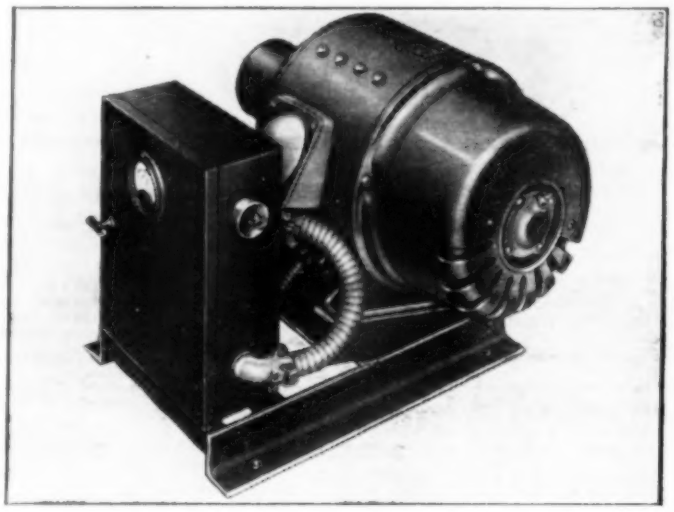

Power Failures on country lines will have no terror for those who have this generator. Just belt tractor to generator and turn switch. Generator produces the same voltage as that which comes thru the power line, so all equipment will work. Can be mounted on platform in building where tractor is kept. Made by Winpower Manufacturing Co.

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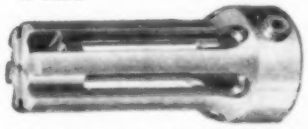

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From where I sit ... by Joe Marsh

Never Too Late To Learn

Cappy Miller's young son, Squint, is forever coming up with new ideas. Now they're not all world-beaters, but Cappy is usually willing to give them a try.

Seems Squint found a new way to clear brush. They take two tractors, about thirty feet apart, and connect them with a heavy chain weighted down on the ground with old iron. First they both go parallel in one direction, then they go back over the same swath in the opposite direction and up comes the brush—roots and all. Worked fine and saved time.

That's why things go so well at the Miller farm. Cappy is open-minded, *tolerant* of new ideas and new ways of doing. He doesn't think *his* way is the only way.

From where I sit, a little tolerance will make things go better for all of us. You respect my views and I'll respect yours—whether it's on farming, politics, or choosing between an ice cream soda or a temperate glass of beer.

Joe Marsh

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5th Annual Sale
Minnesota Polled Shorthorns!

SHOW — 10:00 A. M. SALE — 1:00 P. M.

Judge: Walter Larson, Carrington, N. D.

SLAYTON, MINNESOTA, SATURDAY, MAY 28, 1949

Located north of state line 30 miles north of Worthington, in comfortable pavilion

30 GOOD BULLS — 25 DESIRABLE FEMALES

A splendid offering selected from 20 leading herds. The bulls most all ready for service, 9 are two-year-olds, and include herd-heading material, a bull that will fill any demand. Females include cows with calves and rebred, choice bred heifers and attractive open heifers. The consignors are:

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C. H. Eikmeier	Pipestone, Minn.	L. Merwin Krosch	Elmore, Minn.
M. A. Eikmeier	Pipestone, Minn.	P. C. Kilen	Jackson, Minn.
Jiricek Bros.	Pipestone, Minn.	L. E. Sasse	Sleepy Eye, Minn.
Frick Bros.	Lake City, Minn.	Herman Edmundson	Woodstock, Minn.
Newell Bros.	Adrian, Minn.	Julius M. Hanson	Murdock, Minn.
Arba Holm	St. Charles, Minn.	F. J. Norton	Luverne, Minn.
Geo. Burns	Milan, Minn.	Martin Schuttemeier	New Albin, Minn.

This is a good, dependable lot of well-bred cattle, sold by reliable breeders who make a livelihood out of the production of **Better Polled Shorthorns.** They are sired by good herd sires and rich pedigrees, the sort that will prove profitable. All **T.B.** and **Bangs** tested. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

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35 REG. HOLSTEINS

13 Milking Age. 9 Heifer Calves.
5 Bred Heifers. 3 Serviceable Bulls.
1 Yearling Heifer. 5 Bull Calves.

423-LB. HERD AVERAGE

in 7 years of H. I. R. testing. High year was 553 lbs. fat. Individual records up to 640 lbs.

SPLENDID TYPE

Herd classified with average of 82.5. Straight legs and good udders.

GOOD BREEDING

Older cows are of Pride of Sir Piets, Man-O-War and Transmitter breeding. 10 2 and 3-yr.-olds are sired by **Iowana Ollie Beauty Burke,** whose 14 nearest tested dams average 726 lbs. fat. 16 of the younger ones are by **Weber Ginger Leader King,** a grandson of the famous "Burke."

YOUNGER ANIMALS CALFHOOD VACCINATED

THURSDAY, MAY 26

1 P. M., Fair Grounds

OWATONNA, MINN.

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25 PUREBREDS — 28 GRADES

26 record cows. 8 heifer calves
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A QUALITY HERD

Splendid type and popular breeding. Most of the cows have records of 400 and 500 lbs., averaging well over 400.

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Carnation Madcap Discovery, a 4-year-old show bull by Governor of Carnation, one of the greatest bulls of all time. His dam is a 540-lb. 2-yr.-old maternal sister to the famous "Madcaps" with 1,392, 1,313, 1,209 and 1,046 lbs. fat. Half of the animals are sired by this great young sire.

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1 P. M. at Lakeland Farm

16 MILES EAST OF ST. PAUL ON U. S. 12 AND 2 MILES SOUTH OF HUDSON BRIDGE ON 95.

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Hoelscher Brothers
Aberdeen Angus Sales

Sale Pavilion

Carroll, Iowa, Friday, May 27

11 BULLS

28 FEMALES

For this, our twelfth annual sale, we have made a special effort to select cattle that will be a credit to us as breeders of Aberdeen-Angus and will make valuable additions to the herds they go into. We believe you will be pleased with the offering. As a special attraction we have listed our great 4-year-old herd bull, **BELL BOY JOE 2d,** he by the $10,000 Penney & James herd sire, **BELL BOY W 2d.** We doubt if there will be a better aged bull to sell in any auction this year. There will be 7 of his sons listed in the sale and you will find some real herd bull prospects among them. Others are sired by **ELINE'S REVOLUTION J.,** a bull that proved to be one of the outstanding sires used in our herd. You certainly can solve your herd bull problem by attending this sale.

We have selected 7 bred heifers sired by **BELL BOY JOE 2d** and 15 open heifers, 9 of them daughters of **BELL BOY JOE 2d** and any of these will strengthen established herds and make foundation material for those starting a herd. Then there will be 5 of our very choicest cows with calves at foot or right up to calving by sale day. Two of these are daughters of **ERIC BANDOLIER 3d.** Hoelscher bred Angus have made good for others and they will for you. Make your plans now to attend this sale. The catalog will be sent **FREE** for the asking. Kindly mention this publication when writing for it. Address

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Auctioneer, J. E. Halsey M. T. White, Fieldman

FIFTH ANNUAL AUCTION
TALLCORN ANGUS BREEDERS

In comfortable, sanitary sale pavilion, Marshalltown Livestock Auction, east edge of City on 18th Avenue

Marshalltown, Iowa, Tuesday, May 31, 1949

FEMALES SELL IN AFTERNOON STARTING AT 12:00 NOON
BULL SALE IN EVENING STARTING PROMPTLY AT 7:00 P. M.

239 HEAD — SELLING AS 200 LOTS
39 GRAND COWS AND CALVES — 14 DESIRABLE YOUNG BRED COWS
15 OUTSTANDING BRED HEIFERS — 55 ATTRACTIVE OPEN HEIFERS
77 CHOICE BULLS READY FOR SERVICE

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A most aggressive group of breeders from the following counties: **MARSHALL, TAMA, HARDIN, GRUNDY, STORY, JASPER** and **POWESHIEK** . . . largest membership of any Iowa District. Many of the leading breeders in the state live in this District. A well-bred lot of cattle and a most practical offering. The bulls are a great lot and all ready for service and include many high-class herd bull prospects. The females will please . . . cows with calves, bred cows and heifers and excellent open heifers. All rich in good breeding—presented in practical condition . . . ideal for the buyers. Good sons and daughters of present day nationally known sires. The most popular and dependable tribes are well represented. More details next issue. All **T.B.** and **BANGS** tested. Ask now for **FREE** catalog. Please mention this publication. Address

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Auctioneers, J. E. Halsey and Mason & Son

BANQUET and Business Meeting, Tallcorn Hotel, May 30th, at 7:00 P. M. Everyone cordially invited.

THE MINNESOTA
— STATE HOLSTEIN SALE —

MONDAY

MAY 23

11:00 A. M.

★

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TOPS FROM 52 LEADING HERDS

28 OUTSTANDING COWS

Typy, high producing cows, most of them with 500 and 600 lb. records. Most of them springing or recently fresh.

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Many are close up springers, and the others bred for fall freshening. Real individuals, by high record sires and from high producing dams.

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Beautiful individuals and all from dams with records from 500 to 792 lbs. fat.

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Coming Livestock Sales

ABERDEEN ANGUS

May 9—Dr. Frank Rose, Albany, Mo., or M. L. McCrea, Maryville, Mo.
May 27—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
May 31—Tallcorn Breeders Assn., Marshalltown, Iowa; C. G. Mason, Secy., Box 243.
June 6—Glyn Mawr Farms (Dispersion), Olin, Iowa.
June 7—I. E. Kemp, Marion, Iowa.
June 8—Dispersion Sale, John Kimball, Kirkman, Iowa.
June 13—Wayland A. Hopley, Atlantic, Iowa.
June 14—South-Central Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., Oskaloosa, Iowa.
June 15—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Sept. 26—Wisconsin State Sale, Lancaster, Wis.; J. C. Perrin, Secy., Bloomington, Wis.
Sept. 30—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Oct. 10—Interstate Angus Breeders, Sioux City, Iowa; P. K. Pratt, Secy.-Mgr., Walnut, Iowa.

HEREFORDS

May 28—Dispersion. Hoffman Hereford Farm, Morton, Ill.; sale at Congerville, Ill.
June 1—Rones Stock Farm, Parker, S. D.
June 6—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Mgr., R. 2, Creston, Iowa.
June 6—Creston Hereford Breeders Assn. Sale, at Orient, Iowa; Lyle H. Woods, Secy., Creston, Iowa.
Sept. 28—Wiese Bros., Donohoe, Iowa.

POLLED HEREFORDS

June 27—Dispersion. Marvin Ohrt, Garwin, Iowa; sale at Marshalltown, Iowa.

SHORTHORNS

June 4—Minnesota State Sale, Blue Earth, Minn.; N. T. Findahl, Mgr., Waterville, Minn.
June 6—Ethelyn Farm, Wilson, Ill.
June 17—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Sept. 26—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Secy.
Sept. 27—Marshall County Breeders Assn., Marshalltown, Iowa; Geo. H. Lewis, R. 1, Mgr.
Sept. 30—Robt. Wright, Carroll, Iowa; Merv. Aegerter, Mgr., Seward, Neb.
Oct. 1—Swanson Bros., Estherville, Iowa.
Oct. 3—Northwest Missouri Breeders, Rockport, Mo.; James Meyer, Mgr., Maryville, Mo.

POLLED SHORTHORNS

May 28—Polled Shorthorn Club of Minnesota, Slayton, Minn.; M. H. Bassett, Secy., Rushmore, Minn.
Oct. 4—Sioux Empire Show and Sale, Sioux Falls, S. D.; John F. White, Mgr.
Oct. 5—Iowa Polled Shorthorn Club, Inc., Show and Sale, Des Moines, Iowa; Earl S. Girton, Mgr., Box 282, Marshalltown, Iowa.
Oct. 6—Albert Hultine & Sons' 50th Anniversary Sale, Saronville, Neb.; sale at Lincoln, Neb.; Merv. F. Aegerter, Sale Mgr., Seward, Neb.

MILKING SHORTHORNS

May 23—Missouri Milking Shorthorn Breeders, Chillicothe, Mo.; Mrs. T. W. Boswell, Secy., Fair Grove, Mo.

DAIRY CATTLE

May 21—(Holstein Dispersal) KSTP Experimental Farm, Stanley Hubbard, Owner; G. R. Melin, Minneapolis, Minn., Sales Mgr.
May 23—Minnesota State Holstein Sale, Owatonna, Minn.; R. W. Seath, Secy.
May 26—(Holstein Dispersal) Victor Calverley, Owatonna, Minn.; G. R. Melin, Minneapolis, Minn., Sales Mgr.
June 1—Breeders Sale (Ayrshires), Council Bluffs, Iowa; H. C. McKelvie, Mgr.
June 11—(Holstein Dispersal) Roosevelt Ditleveson, Blooming Prairie, Minn.; G. R. Melin, Minneapolis, Minn., Sales Mgr.
June 13—Campbell-Young, Jesup, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 16—Iowa State Sale, Waterloo, Iowa (Jerseys), Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

FEEDER CATTLE

Sept. 8—Oswald Strand & Sons, Manly, Iowa.

SHEEP

Aug. 13—Roon Geste Farms, Hampshire and Suffolk Sale, Oskaloosa, Iowa; Roy B. Warrick.

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J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Field Day For Beef Men

Fewer row crops and less soil depletion more grass and more good cattle. That the theme of a field day to be held at e All-Iowa Fair grounds, in Cedar Rapids, May 25, under sponsorship of the wa Beef Producers Association.

The field day program will get under w at 9 a. m., with a demonstration of medium and common beef bulls. Then groups of five heifers will be led out to show the difference between choice, good and common females. The same system wil be used to show various grades of feeder and fat steers.

Men with long experience in each phase of the beef business will be on hand to discuss the various demonstrations.

The afternoon program will start with a demonstration and discussion of carcasses and relative prices of various fat cattle grades. The importance of grass in making beef and the feeder cattle outlook also will be discussed.

The National Livestock and Meat Board will conduct a cooking school and demonstration for wives of visiting farmers.

Livestock News

The Holstein cattle sale held by Fred Elpperle, at his farm, 12 miles northwest of Omaha, Neb., on April 14, encountered the blizzard which raged all day, but, in spite of it, he got a good crowd and made a nice sale. Main buyer was F. M. Swinfed, St. Joseph, Mo., and he bought eight head of grade first-calf heifers at $2,200. Will O. Riley, Nodaway, Iowa, bought three grade cows that averaged above $360. Orville Damme, of Wayne, Neb., bought three grade cows that averaged $397. Ben St. John, of Corning, Iowa, bought a grade cow at $310. Ned Collison, Carroll, Iowa, took three grade cows that averaged $335. The top purebred cow sold for $710, another at $650, and four others averaged $450 each. Mr. Elpperle sold 90 head in spite of the blizzard, and he felt that he got away pretty well. Col. McMurray cried the sale.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

THE MONTH OF MAY with its blossoms and its other beauty gladdens the hearts of every one of us. Spring-time seems to really come into its own in May. Pastures, lawns and meadows take on that deep green hue. The oats are pretty well up and getting prettier every day—and that goes for a lot of other crops as well. And adding a ryhthmic note to the picture of Spring is that click of the corn planter, bespeaking another expression of nature's abundance in the season ahead.

MAN'S APPRECIATION of Spring and all its new finery is equaled only by that of his herds and flocks. Calves, lambs and little porkers romp to their hearts' content, and the young chickens, some of them nearly fryers now, scurry fast and far in the morning sunshine. It's really fun to watch the young stock enjoy their carefree lives, completely unmindful of the inevitable fate in the few months or years coming up.

CALVES can still "take it." Near Harrison, Nebraska, one of Vernon Dunn's calves took refuge in a straw stack when the terrible Nebraska blizzard hit on January 2. Early in April, Dunn found his long-lost calf still alive and able to navigate for herself.

EVERYONE KNOWS that the weaning time of a pig is one of the most critical times in his life. During this period of change, he not only needs a balanced feed, but he needs close observation to see that he is coming through this period in good condition. Walnut Grove Minerals can play a very important part in his life right at this time. See that he has the necessary amount of minerals. Some of our customers in east-central Iowa, who use Walnut Grove in all of their feeding rations, include H. Art Schwiebert, Stallman Bros., John, George and Raymond, H. J. Folkerts, Homer Narber, Lester Mitchell, Harvey Wenning and Lawrence DeMeulenaere. This business is handled for us by our representative in that territory, Elmer Hughes, of Belle Plaine.

"BE ALERT—DON'T GET HURT" is the new Iowa farm safety slogan. National Safety Council figures show that at least one farm resident is injured every twenty seconds, day and night. Carelessness and fatigue are high on the list of reasons for farm accidents. Clean-up work around the farm is a highly essential factor in removing accident hazards. Almost every farm has a lot of junk and old boards and other material that ought to be hauled away; thus making the farm more attractive, more valuable and safer.

IN NORTHEASTERN IOWA, in one of the finest counties in the state, Clay county, Walnut Grove Minerals have become the key factor in the feeding plans of many farmers in that community. Among our many customers in that territory who would not be without Walnut Grove for their feeding plans, we find Dayton Sundall, Chas. Swan, Dean Mills, Sam Mills, Wilbur Rodenberg, Reece Bros., and Henry Meister. Our long-time representative in this territory who handles this business for us is Joe Cain, of Spencer.

IOWA FARMERS are literally sitting on a powder keg as far as corn borers are concerned. That is the view expressed by Dr. H. M. Harris, of Iowa State College, in a meeting which was recently held at Ames. Asserting that there are enough corn borers alive in Iowa now to encircle the earth with a band seventeen inches wide, Doctor Harris urged farmers to practice clean plowing, the use of the best hybrids with the strongest stalks, early planting, early treating of fields and the use of DDT for spraying or dusting.

THE WALNUT GROVE Products Company has always used the highest quality ingredients possible in the making of its mineral products. Our records over the thirty years that we have been in business prove that quality is always the best policy. Walnut Grove Products will always be made of the finest materials possible. Among our many customers in Jones county, Iowa, who believe in this quality, we find Buol Bros., William Buol, Paul Allen, Jamison and Seehusen, Clarence Tinley, Fred Caspers and Fred Merrit. J. W. Allen, of Wyoming, is our representative in this territory and looks after this business for us.

FUTURE FARMER members of Iowa had another highly successful meeting in Cedar Rapids on April 23. Our congratulations to all recipients of the Iowa Farmer degree and other winners who were recognized at the 1949 convention. Our commendations also to the Newton FFA chapter for renting a forty-acre farm and using it to grow crops and to demonstrate the advantages of terracing, contouring, landscaping and other practices that make for neater, better, more permanent farms.

A TAMA COUNTY, IOWA, farmer and his sons enjoy fox hunting, and apparently they are making the pastime well worth the powder and cartridges which they use. Everett Howe, of near Elberon, recently collected $183 in bounty money for the sixty-one foxes he and the boys bagged this winter.

THREE BIG advantages to self-feeding sows while they are nursing pigs are cutting down on labor, stimulating milk production and helping keep the sows in good flesh. Some experts recommend starting self-feeding ten days after farrowing. Others suggest putting sows on the self-feeder right from farrowing time on. And remember, Walnut Grove Minerals are another important consideration for the nursing sow.

ATOM BOMBS, or even the thought of them, frighten most people virtually out of their wits. However, there is a sow at a zoo in Washington that has had a lot more experience with atom bombs than any of us, and yet she's not the least bit afraid. She is Miss 311, one of the survivors of the Bikini atom bomb test. The Navy locked Miss 311 in the washroom of a Jap cruiser. Although the bomb sank the cruiser, the fifty-pound gilt got out and was found swimming in the Pacific. Now she is a healthy 300-pound-sow, and is giving many youngsters who visit the zoo their first glimpse of a real live hog.

Livestock News

The twelfth annual spring sale of Marion County Angus Breeders, Knoxville, Iowa, was held April 25, under the able direction of Herbert Cline, sale manager. The top bull, Belmar 16th, a son of Belmar E., from the Otto and John Emerson farm, sold for $825 to Robert Camp, Chariton, Iowa. Baron D. 7th, a son of Blackcap Baron 15th of Page, consigned by Ray Dyer, sold for $700 to Garrett Van Halen, Pella, Iowa. Blackcap Glenelg, a son of Glenelg Pride 4th, owned by Clyde Core, went to E. C. Barnes, Nenzel, Neb., at $610, who bought three bulls. Bell Boy's Blackcap V. 47th, owned by Archie Vernon, went to Dr. A. M. Perry, Princeton, Mo., at $600. Erica's Beau 3d, owned by Carl A. Roebuck, sold for $600 to E. C. Barnes, and Mr. Barnes also bought, at $600, Burgess Baron 3d, a son of Blackcap Baron 15th of Page, owned by Ray H. Cline & Sons. The top female was Blackcap of Avalon 5th, a daughter of Bell Boy B. 7th, consigned by Clyde Core, and sold for $570 to R. C. Peterson, Charlo, Mont., who purchased eight choice females. Galvin's Prize Lass, from the herd of Guy G. Galvin, and a son of Bell Boy A. 7th, sold for $500 to Cliff Heaberlin, Pleasantville, Iowa. The 26 bulls averaged $450, with 48 females at $376.50 each, and the 74 lots sold for $29,780, making a general average of $402.40. They went to buyers in four states, distributed as follows: Iowa 58, Missouri 4, Nebraska 4 and Montana 8.

The sixth Southeast Iowa Angus Breeders show and sale, Mt. Pleasant, Iowa, April 22, was very successful. Herb Cline, of Bussey, Iowa, made the awards in a capable manner. Kenneth Redfern, president, and Earl Fickel, secretary, worked hard to make the event a success. The champion bull, Eldomere, a son of Juaramere's Erica M. B., shown by Kenneth Redfern, sold for $1,025 to E. W. Blasi, Bloomfield, Iowa. The reserve champion, Blackcap Lad 81st, by the same sire and from the same herd, sold for $700 to Dewey Phelps, Hillsboro, Iowa. Barry Blackbird, shown by Thomas Chandler, Danville, Iowa, sold for $500 to Ben Witt, Delmar, Iowa. The champion female, Pride Nau 2d, a daughter of Bell Boy Blackcap, shown by the Nau Angus Farm, sold for $520 to Dewey Phelps. The reserve champion, Sunset Marcia, by Elbenmere, a Sunset Knoll Farm entry, sold for $410 to Ben Bowne, Batavia, Iowa. Empress Elleenmere R., a half-sister to the two winning bulls shown by Redfern, also sold for $520 to Louie D. Brown & Son, West Liberty, Iowa. Zara of Twin Knolls, from the herd of F. D. Smylie, sold for $500 to Hugh McWhorter, Aledo, Ill. The 36 bulls averaged $325, with 35 females at $270 each, and the 71 lots sold for $21,155, a general average of $297.

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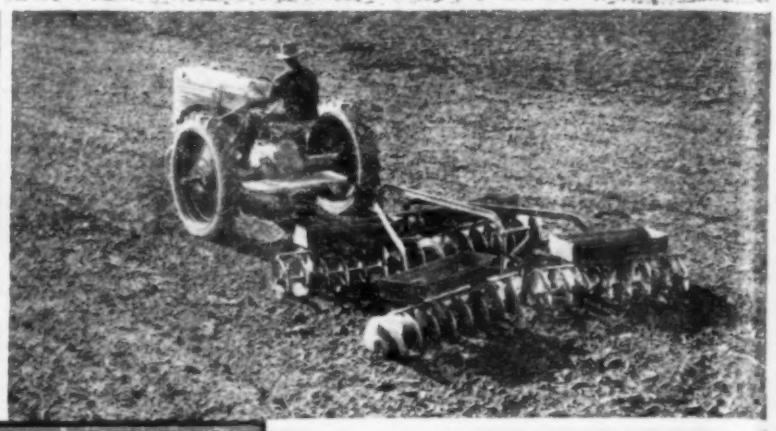

Our Progress Is Written In The Soil

The first settlers in America were awed by the wilderness that confronted them, but they were grateful for the opportunity to work as they wished and to worship as they pleased. Proud of their new land, they erected their humble homes and planted their first crops with makeshift tools. Gradually they pushed the dense forest back, conquered the prairies, built bigger settlements, planted larger fields, and established a firm foundation for the growth of our mighty nation. Their faith in hard work, in their ideals, and in the fertile land . . . plus their perseverance . . . has written a proud chapter in the history of our country.

It is our responsibility to carry on this great tradition by guarding the precious fertility of the soil . . . by utilizing modern methods and machines to produce abundant crops . . . by teaching the future farmers of America the skills of their fathers. Minneapolis-Moline is constantly striving to achieve these aims by encouraging new and better ideas for farm improvement and soil conservation. MM is helping the farm youth of America learn modern methods of agriculture and providing modern machines to help the farmer work better, faster, more economically and with less drudgery.

MM Modern Machines, Visionlined Tractors and Power Units are designed to provide dependable service through every season. The finest materials and skills are employed to make every MM product the best that can be produced. Remember this, too—your MM dealer offers service and genuine repair parts at reasonable prices to help you get the utmost out of your MM equipment through the years.

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